EFD 03/08/2006
priority ~~PRD~~ 04/05/03.
10/19 102b
13/19 102b — cited
further c.

10/551,998 Yong Chu 11-08-2007

$%^STN;HighlightOn=;HighlightOff=;

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptaylc1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 02	LMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 12	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 13	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 15	AUG 27	USPATOLD now available on STN
NEWS 16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 18	SEP 13	FORIS renamed to SOFIS
NEWS 19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 20	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 21	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 24	OCT 19	BEILSTEIN updated with new compounds

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:49:31 ON 08 NOV 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:49:46 ON 08 NOV 2007
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 NOV 2007 HIGHEST RN 952647-77-7
DICTIONARY FILE UPDATES: 7 NOV 2007 HIGHEST RN 952647-77-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

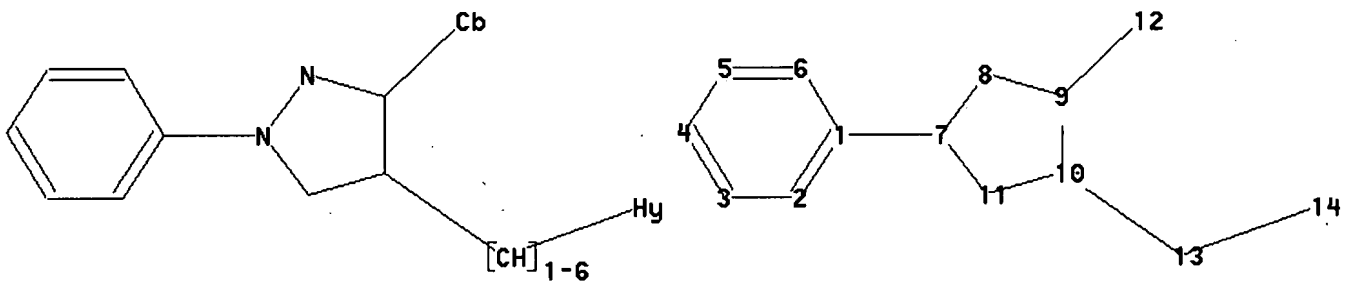
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10551998\10551998.str



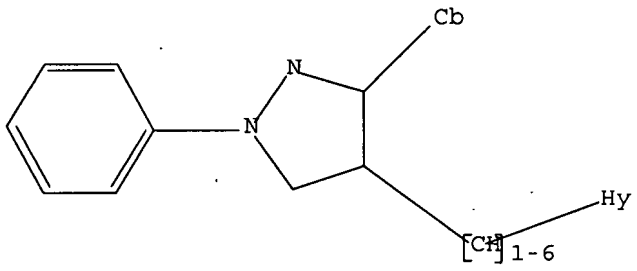
chain nodes :
12 13 14

```
ring nodes :
1  2  3  4  5  6  7  8  9  10  11
chain bonds :
1-7  9-12  10-13  13-14
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-11  8-9  9-10  10-11
exact/norm bonds :
1-7  7-8  7-11  8-9  9-10  10-11  13-14
exact bonds :
9-12  10-13
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:CLASS  14:Atom
Generic attributes :
12:
Saturation              : Unsaturated


L1      STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1              STR
```




```
Structure attributes must be viewed using STN Express query preparation.


=> s l1
SAMPLE SEARCH INITIATED 14:50:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     6383 TO ITERATE

 31.3% PROCESSED     2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       122870 TO   132450
PROJECTED ANSWERS:               0 TO        0
```

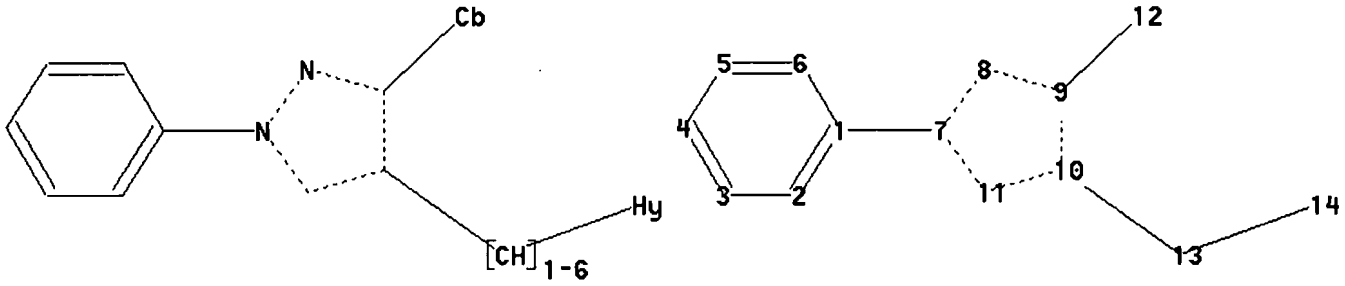
L2 0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 14:50:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 128497 TO ITERATE

100.0% PROCESSED 128497 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.02

L3 0 SEA SSS FUL L1

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10551998\10551998A.str

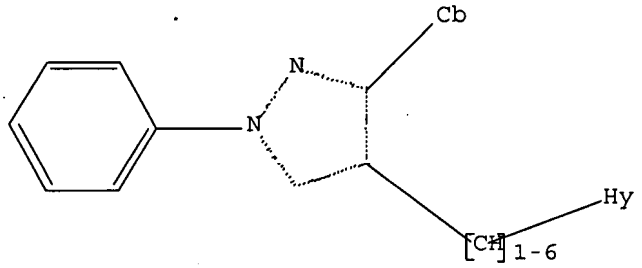


chain nodes :
12 13 14
ring nodes :
1 2 3 4 5 6 7 8 9 10 11
chain bonds :
1-7 9-12 10-13 13-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11
exact/norm bonds :
1-7 7-8 7-11 8-9 9-10 10-11 13-14
exact bonds :
9-12 10-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:Atom
Generic attributes :
12:
Saturation : Unsaturated

L4 STRUCTURE UPLOADED

=> d
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l4
SAMPLE SEARCH INITIATED 14:51:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     6383 TO ITERATE

 31.3% PROCESSED     2000 ITERATIONS                                 1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       122870 TO   132450
PROJECTED ANSWERS:               1 TO      170

L5             1 SEA SSS SAM L4

=> s l4 full
FULL SEARCH INITIATED 14:51:14 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   128497 TO ITERATE

100.0% PROCESSED   128497 ITERATIONS                             196 ANSWERS
SEARCH TIME: 00.00.02

L6           196 SEA SSS FUL L4

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              344.65     344.86

FILE 'CAPLUS' ENTERED AT 14:51:22 ON 08 NOV 2007
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FILE COVERS 1907 - 8 Nov 2007 VOL 147 ISS 20
FILE LAST UPDATED: 7 Nov 2007 (20071107/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
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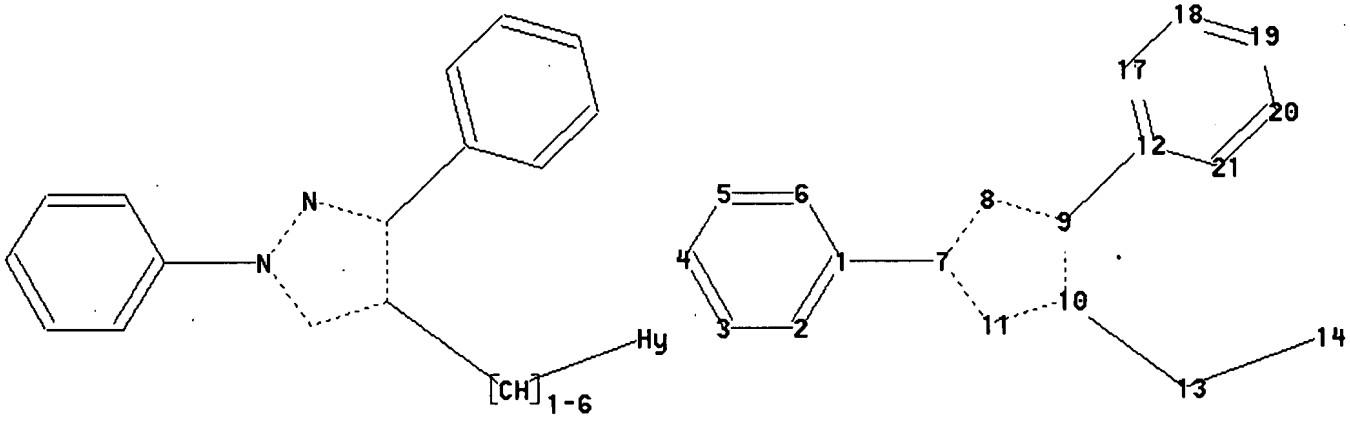
http://www.cas.org/infopolicy.html

=> s l6
L7   40 L6

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10551998\10551998B.str



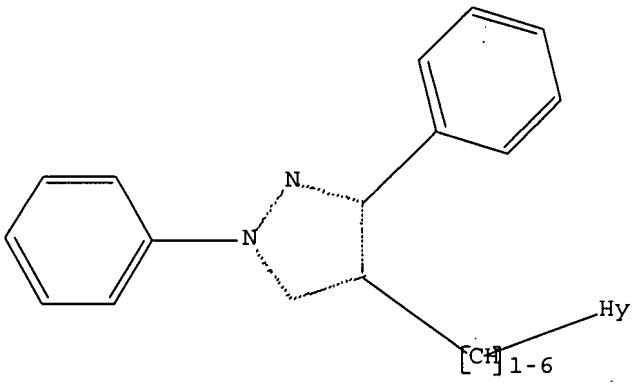
chain nodes :
13 14
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21
chain bonds :
1-7 9-12 10-13 13-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 12-17 12-21 17-18 18-
19
19-20 20-21
exact/norm bonds :
1-7 7-8 7-11 8-9 9-10 10-11 13-14
exact bonds :
9-12 10-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-17 12-21 17-18 18-19 19-20 20-21

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom

L8   STRUCTURE UPLOADED

=> d

L8 HAS NO ANSWERS
L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l8
REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 14:54:51 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1722 TO ITERATE

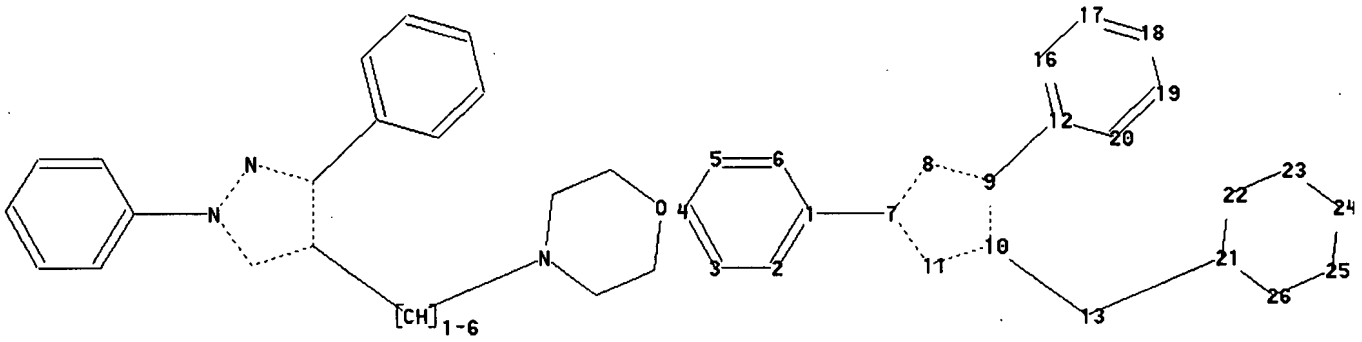
100.0% PROCESSED 1722 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 31951 TO 36929
PROJECTED ANSWERS: 7 TO 298

L9 7 SEA SSS SAM L8

L10 6 L9

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10551998\10551998C.str



chain nodes :
13
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 16 17 18 19 20 21 22 23 24 25 26

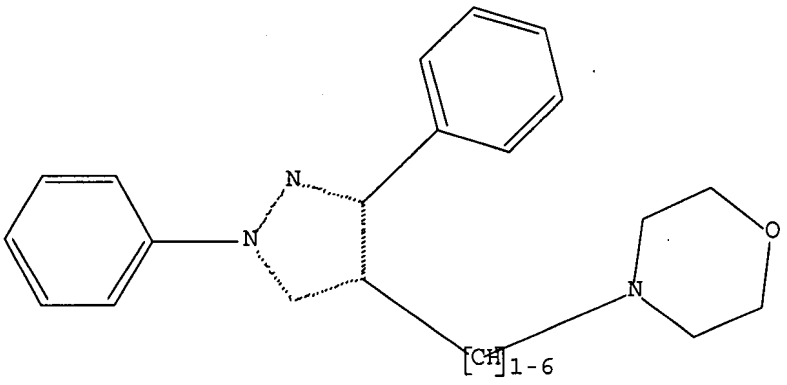
chain bonds :
1-7 9-12 10-13 13-21
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 12-16 12-20 16-17 17-18
18-19 19-20 21-22 21-26 22-23 23-24 24-25 25-26
exact/norm bonds :
1-7 7-8 7-11 8-9 9-10 10-11 13-21 21-22 21-26 22-23 23-24 24-25 25-26

exact bonds :
9-12 10-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-16 12-20 16-17 17-18 18-19 19-20

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom
24:Atom 25:Atom 26:Atom

L11 STRUCTURE UPLOADED

=> d
L11 HAS NO ANSWERS
L11 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l11
   REGlstRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 14:56:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 47 TO ITERATE

100.0% PROCESSED 47 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 529 TO 1351
PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

L13 0 L12

=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.47 350.46

FILE 'REGISTRY' ENTERED AT 14:56:47 ON 08 NOV 2007

Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 7 NOV 2007 HIGHEST RN 952647-77-7
DICTIONARY FILE UPDATES: 7 NOV 2007 HIGHEST RN 952647-77-7

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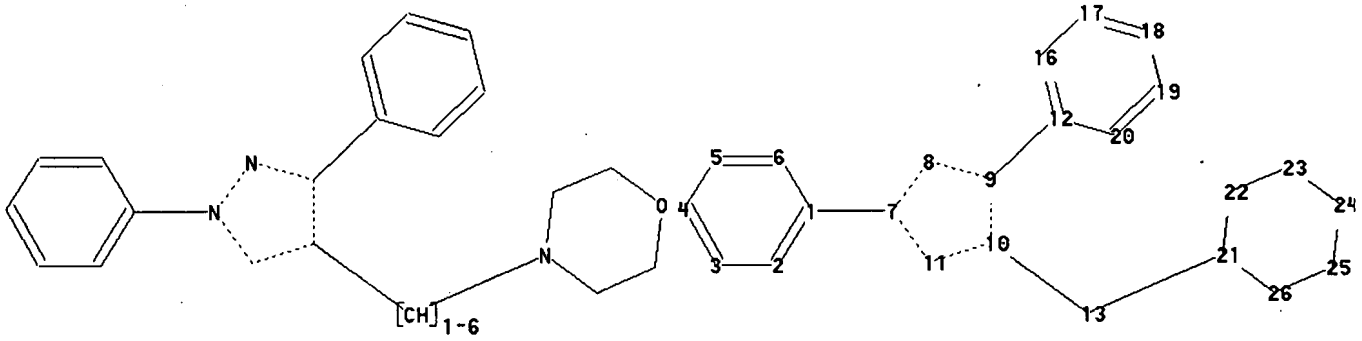
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10551998\10551998C.str



chain nodes :
13
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 16 17 18 19 20 21 22 23 24 25 26

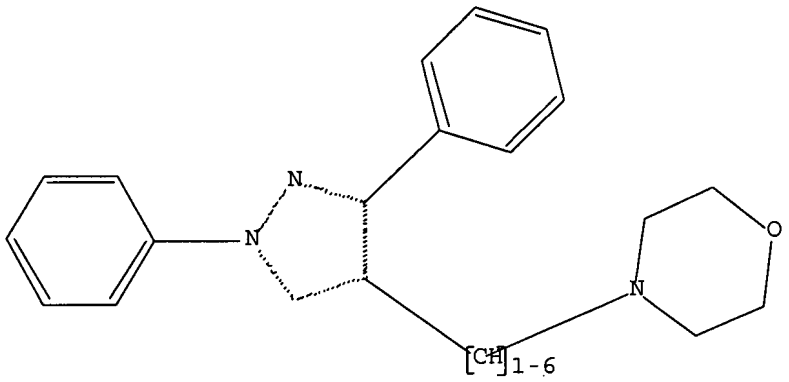
chain bonds :
1-7 9-12 10-13 13-21
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 12-16 12-20 16-17 17-18
18-19 19-20 21-22 21-26 22-23 23-24 24-25 25-26
exact/norm bonds :
1-7 7-8 7-11 8-9 9-10 10-11 13-21 21-22 21-26 22-23 23-24 24-25 25-26

exact bonds :
9-12 10-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-16 12-20 16-17 17-18 18-19 19-20

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom
24:Atom 25:Atom 26:Atom

L14 STRUCTURE UPLOADED

=> d
L14 HAS NO ANSWERS
L14 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l14
SAMPLE SEARCH INITIATED 14:57:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 47 TO ITERATE

100.0% PROCESSED 47 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 529 TO 1351
PROJECTED ANSWERS: 0 TO 0

L15 0 SEA SSS SAM L14

=> s l14 full
FULL SEARCH INITIATED 14:57:18 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 987 TO ITERATE

100.0% PROCESSED 987 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

L16 9 SEA SSS FUL L14

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 172.10 522.56

FILE 'CAPLUS' ENTERED AT 14:57:23 ON 08 NOV 2007

FILE COVERS 1907 - 8 Nov 2007 VOL 147 ISS 20
FILE LAST UPDATED: 7 Nov 2007 (20071107/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
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http://www.cas.org/infopolicy.html

No Burnat app was found

=> s l16
L17 3 L16

late

=> d ibib abs hitstr tot

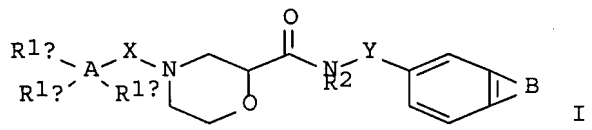
L17 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:642442 CAPLUS Full-text
DOCUMENT NUMBER: 147:72771
TITLE: Preparation of morpholinecarboxamides as prokineticin 2 receptor antagonists
INVENTOR(S): Thompson, Wayne J.; Melamed, Jeffrey Y.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 100pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007067511	A2	20070614	WO 2006-US46330	20061204

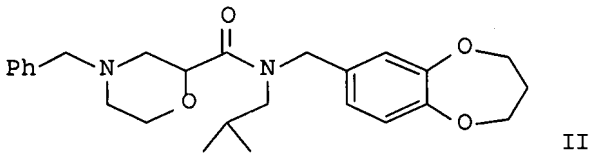
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:	US 2005-742770P	P 20051206
	US 2006-830242P	P 20060712
	US 2006-856984P	P 20061106

OTHER SOURCE(S): MARPAT 147:72771
GI



I



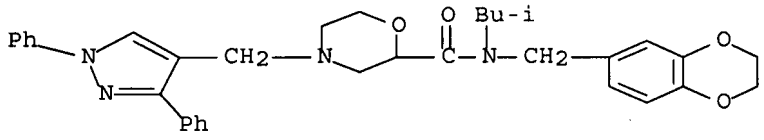
II

AB Title compds. [I; A = Ph, naphthyl, heteroaryl; B = atoms to form (substituted) dioxanyl, pyranyl, cyclohexyl, Ph, pyridyl, etc.; X, Y = (substituted) alkylene; R1a, R1b, R1c = null, H, halo, OH, CO2H, cyano, NO2, (substituted) alkyl, alkoxy, alkoxycarbonyl, Ph, PhO, PhO2C, etc.; R2 = H, (substituted) alkyl, cycloalkyl, Ph], were prepd. Thus, title compd. (II) was prepd. in 3 steps from 1,3-dibromopropane, 3,5- dihydroxybenzaldehyde, isobutylamine, and 4-benzylmorpholine-2-carboxylic acid hydrochloride. I generally showed prokineticin 2 receptor antagonism with IC50 <10 .mu.M.

IT 941708-07-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compd.; prepn. of morpholinecarboxamides as prokineticin 2 receptor antagonists)

RN 941708-07-2 CAPLUS

CN 2-Morpholinecarboxamide, N-[(2,3-dihydro-1,4-benzodioxin-6-yl)methyl]-4-[(1,3-diphenyl-1H-pyrazol-4-yl)methyl]-N-(2-methylpropyl)- (CA INDEX NAME)



L17 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:757466 CAPLUS Full-text

DOCUMENT NUMBER: 128:88906

TITLE: A convenient one-pot synthesis of pyrazolo[3,4-d]pyrimidines and s-triazolo[3,4-b][1,3,5]thiadiazines

AUTHOR(S): Hozien, Zeinab A.; Abd El-Wareth, A. O. Sarhan; El-Sherief, Hassan A. H.; Mahmoud, Abdalla M.

CORPORATE SOURCE: Chemistry Department, Faculty Science, Assiut University, Assiut, 71516, Egypt

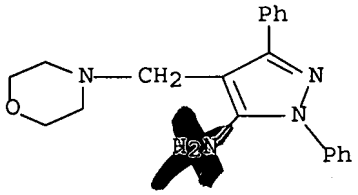
SOURCE: Zeitschrift fuer Naturforschung, B: Chemical Sciences (1997), 52(11), 1401-1412

CODEN: ZNBSEN; ISSN: 0932-0776
PUBLISHER: Verlag der Zeitschrift fuer Naturforschung
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 128:88906

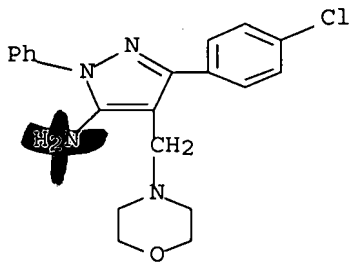
AB The reaction of 5-amino-3-aryl-1-phenylpyrazoles with H2CO and secondary amines in boiling EtOH gave the corresponding 4-alkylaminomethyl derivs. and bis(4-pyrazolyl)methanes as byproduct. Such reaction with primary aliph. and arom. amines at room temp. afforded 1,3,5-trisubstituted and 1,3,5,7-tetrasubstituted tetrahydropyrazolo[3,4-d]pyrimidines, resp., in good yield. Similarly, the Mannich reaction of 5-mercapto-3-phenyl-1,2,4- triazole with secondary amines in boiling EtOH or with primary arom. amines at room temp. gave 2-substituted aminomethyl derivs., while with primary aliph. amines, 4-toluidine, and 4-anisidine at room temp., and with other primary arom. amines in boiling EtOH 1,2,4-triazolo[3,4- b]thiadiazines were obtained.

IT 200939-36-2P 200939-38-4P 200939-39-5P
200939-40-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of pyrazolopyrimidines and triazolothiadiazines)

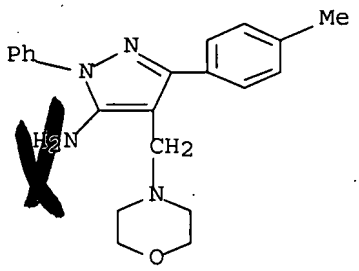
RN 200939-36-2 CAPLUS
CN 1H-Pyrazol-5-amine, 4-(4-morpholinylmethyl)-1,3-diphenyl- (CA INDEX NAME)



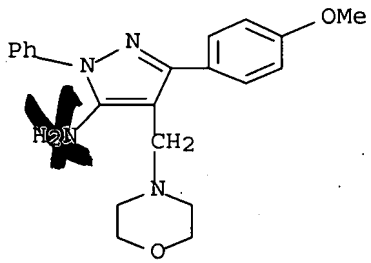
RN 200939-38-4 CAPLUS
CN 1H-Pyrazol-5-amine, 3-(4-chlorophenyl)-4-(4-morpholinylmethyl)-1-phenyl- (CA INDEX NAME)



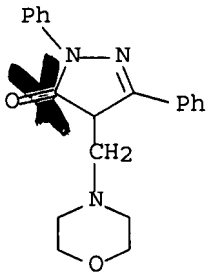
RN 200939-39-5 CAPLUS
CN 1H-Pyrazol-5-amine, 3-(4-methylphenyl)-4-(4-morpholinylmethyl)-1-phenyl- (CA INDEX NAME)



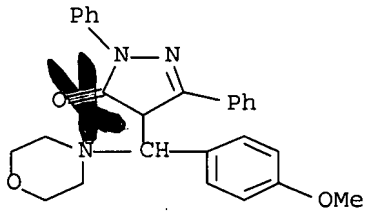
RN 200939-40-8 CAPLUS
CN 1H-Pyrazol-5-amine, 3-(4-methoxyphenyl)-4-(4-morpholinylmethyl)-1-phenyl- (CA INDEX NAME)



L17 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1974:108436 CAPLUS Full-text
DOCUMENT NUMBER: 80:108436
ORIGINAL REFERENCE NO.: 80:17443a,17446a
TITLE: Reactions with 1,3-diphenyl-2-pyrazolin-5-one
AUTHOR(S): Sammour, A.; Abdel-Raouf, A.; Elkasaby, M.; Hassan, M. A.
CORPORATE SOURCE: Fac. Sci., Ain Shams Univ., Cairo, Egypt
SOURCE: Egyptian Journal of Chemistry (1972), 15(5), 429-44
CODEN: EGJCA3; ISSN: 0449-2285
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB 1,3-Diphenyl-2-pyrazolin-5-one I (R = H) (II) was condensed with aldehydes or ketones to give the pyrazolinones III (X = p-MeOC6H4CH, PhCH:CHCH, o-HOC6H4CH, Ph2C, etc.). II and p-RC6H4COCH:CHPh (R = H, MeO, Me) gave the pyrazolinones IV. II was treated with amines and HCHO to give I (R = piperidinomethyl, morpholinomethyl). III (X = p-MeOC6H4CH) with H2NCONH2 gave the oxazinopyrazole V and with H2NNH2 gave the pyrazolopyrazole VI.
IT 51813-63-9P 51813-69-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 51813-63-9 CAPLUS
CN 3H-Pyrazol-3-one, 2,4-dihydro-4-(4-morpholinylmethyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)



RN 51813-69-5 CAPLUS
CN 3H-Pyrazol-3-one, 2,4-dihydro-4-[(4-methoxyphenyl)-4-morpholinylmethyl]-2,5-diphenyl- (9CI) (CA INDEX NAME)



=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20.98	543.54

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

FILE 'REGISTRY' ENTERED AT 15:03:59 ON 08 NOV 2007

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 NOV 2007 HIGHEST RN 952647-77-7
DICTIONARY FILE UPDATES: 7 NOV 2007 HIGHEST RN 952647-77-7

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predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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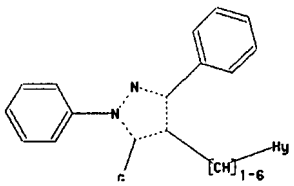

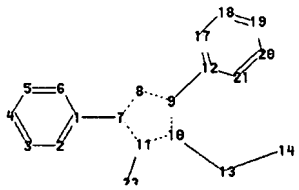

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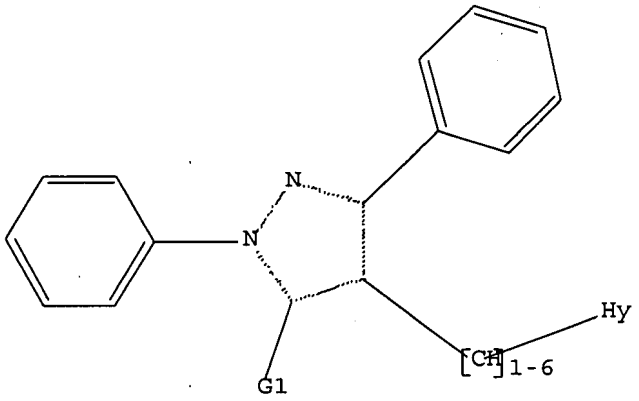
13 14 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 17 18 19 20 21
chain bonds :
1-7 9-12 10-13 11-23 13-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 12-17 12-21 17-18 18-19
19-20 20-21
exact/norm bonds :
1-7 7-8 7-11 8-9 9-10 10-11 11-23 13-14
exact bonds :
9-12 10-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-17 12-21 17-18 18-19 19-20 20-21

G1:H,CH3

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 23:CLASS

L18 STRUCTURE UPLOADED

=> d
L18 HAS NO ANSWERS
L18 STR



G1 H,Me

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -     1722 TO ITERATE

100.0% PROCESSED     1722 ITERATIONS                                 6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         31951 TO    36929
PROJECTED ANSWERS:                6 TO      266

L19            6 SEA SSS SAM L18

=> s l18 full
FULL SEARCH INITIATED 15:04:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    34995 TO ITERATE

100.0% PROCESSED    34995 ITERATIONS                               121 ANSWERS
SEARCH TIME: 00.00.02

L20          121 SEA SSS FUL L18

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     172.10     715.64

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -2.34

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FILE COVERS 1907 - 8 Nov 2007 VOL 147 ISS 20
FILE LAST UPDATED: 7 Nov 2007 (20071107/ED)

=> s l20
L21 19 L20

=> d ibib abs hitstr tot

L21 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:652011 CAPLUS Full-text
DOCUMENT NUMBER: 147:277504
TITLE: Conversion of some 2(3H)-furanones bearing a pyrazolyl group into other heterocyclic systems with a study of their antiviral activity
AUTHOR(S): Hashem, Ahmed I.; Youssef, Ahmed S. A.; Kandeel, Kamal A.; Abou-Elmagd, Wael S. I.
CORPORATE SOURCE: Chemistry Department, Faculty of Science, Ain Shams University, Cairo, Egypt
SOURCE: European Journal of Medicinal Chemistry (2007), 42(7), 934-939
CODEN: EJMCA5; ISSN: 0223-5234
PUBLISHER: Elsevier Masson SAS
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

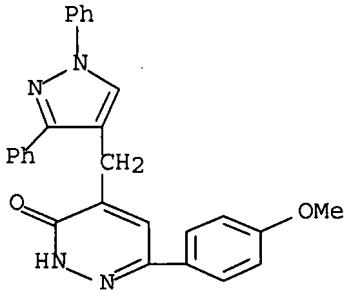
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB 3-(1,3-Diphenylpyrazol-4-yl-methylene)-5-aryl-2(3H)-furanones I (R = H, Cl, OMe) were prepd. and converted into a variety of heterocyclic systems of synthetic and biol. importance. Benzylamine reacted with I; the product was found to depend on the reaction conditions. Thus, at room temp. the open-chain N-benzylamides were obtained, whereas under refluxing conditions the 2(3H)-pyrrolones II were obtained. Hydrazine hydrate affected ring opening of the furanones to give the corresponding acid hydrazides III. III were used as key starting materials for the synthesis of pyridazinones, 1,3,4-oxadiazoles, and 1,2,4-triazoles all bearing pyrazolyl moiety as a side-chain. Evaluation of antiviral activity of selected examples of the compds. obtained was performed using two viruses: HAV and HSV-1. Some of the tested compds. showed promising activities.
IT 946151-31-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and antiviral activity of pyrazolylpyridazinones)

RN 946151-31-1 CAPLUS

CN 3(2H)-Pyridazinone, 4-[(1,3-diphenyl-1H-pyrazol-4-yl)methyl]-6-(4-methoxyphenyl)- (CA INDEX NAME)

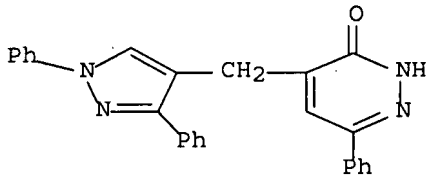


IT 946151-25-3P 946151-28-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and antiviral activity of pyrazolylpyridazinones)

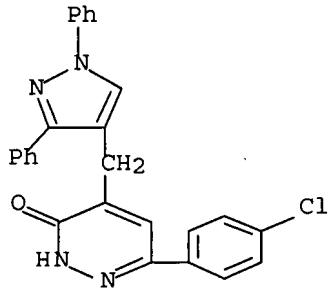
RN 946151-25-3 CAPLUS

CN 3(2H)-Pyridazinone, 4-[(1,3-diphenyl-1H-pyrazol-4-yl)methyl]-6-phenyl- (CA INDEX NAME)



RN 946151-28-6 CAPLUS

CN 3(2H)-Pyridazinone, 6-(4-chlorophenyl)-4-[(1,3-diphenyl-1H-pyrazol-4-yl)methyl]- (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

NOT ODP, not in UJ yet

L21 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:642442 CAPLUS Full-text
DOCUMENT NUMBER: 147:72771
TITLE: Preparation of morpholinecarboxamides as prokineticin 2 receptor antagonists
INVENTOR(S): Thompson, Wayne J.; Melamed, Jeffrey Y.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 100pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

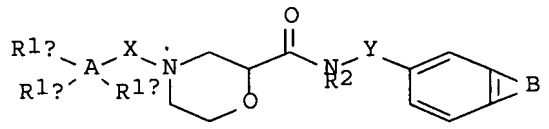
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007067511	A2	20070614	WO 2006-US46330	20061204

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:
US 2005-742770P P 20051206
US 2006-830242P P 20060712
US 2006-856984P P 20061106

OTHER SOURCE(S): MARPAT 147:72771
GI



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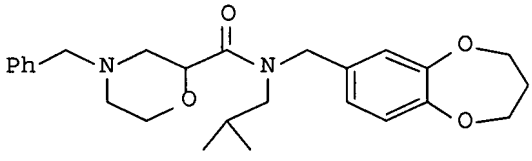


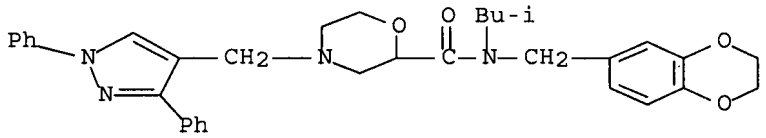
II

AB Title compds. [I; A = Ph, naphthyl, heteroaryl; B = atoms to form (substituted) dioxanyl, pyranyl, cyclohexyl, Ph, pyridyl, etc.; X, Y =

(substituted) alkylene; R1a, R1b, R1c = null, H, halo, OH, CO2H, cyano, NO2, (substituted) alkyl, alkoxy, alkoxycarbonyl, Ph, PhO, PhO2C, etc.; R2 = H, (substituted) alkyl, cycloalkyl, Ph], were prepd. Thus, title compd. (II) was prepd. in 3 steps from 1,3-dibromopropane, 3,5- dihydroxybenzaldehyde, isobutylamine, and 4-benzylmorpholine-2-carboxylic acid hydrochloride. I generally showed prokineticin 2 receptor antagonism with IC50 <10 .mu.M.

IT 941708-07-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compd.; prepn. of morpholinecarboxamides as prokineticin 2 receptor antagonists)

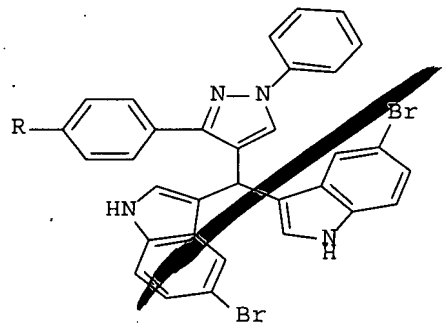
RN 941708-07-2 CAPLUS
CN 2-Morpholinecarboxamide, N-[(2,3-dihydro-1,4-benzodioxin-6-yl)methyl]-4-[(1,3-diphenyl-1H-pyrazol-4-yl)methyl]-N-(2-methylpropyl)- (CA INDEX NAME)



L21 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	2006:1190044 CAPLUS Full-text
DOCUMENT NUMBER:	146:142551
TITLE:	Synthesis and anti-microbial activity of pyrazolylbisindoles - Promising anti-fungal compounds
AUTHOR(S):	Sivaprasad, Ganesabaskaran; Perumal, Paramasivan T.; Prabavathy, Vaiyapuri R.; Mathivanan, Narayanasamy
CORPORATE SOURCE:	Organic Chemistry Division, Central Leather Research Institute, Chennai, 600 020, India
SOURCE:	Bioorganic & Medicinal Chemistry Letters (2006), 16(24), 6302-6305 CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER:	Elsevier Ltd.
DOCUMENT TYPE:	Journal
LANGUAGE:	English
OTHER SOURCE(S):	CASREACT 146:142551

GI

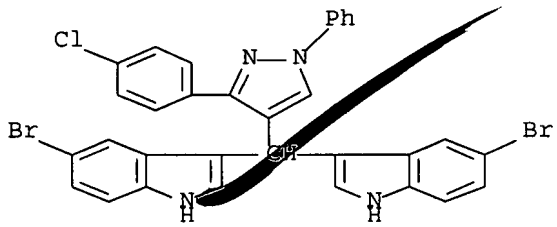


I

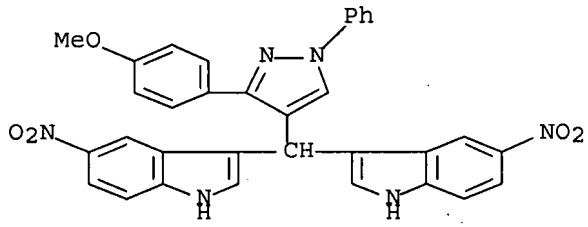
AB A series of pyrazolylbisindole derivs. have been synthesized by reacting substituted pyrazole aldehydes with substituted indoles using phosphotungstic acid, a Keggin type heteropoly acid as catalyst. The synthesized pyrazolylbisindoles were evaluated for their anti-microbial activities. The effect of pyrazolylbisindoles on the mycelial growth of plant pathogenic fungi was revealed. Compds. I (R = MeO or Br) emerged as the most interesting in this series exhibiting excellent anti-fungal activity.

IT 918948-00-2P 918948-01-3P 918948-02-4P
918948-04-6P 918948-05-7P 918948-07-9P
918948-08-0P 918948-10-4P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and antifungal activity of pyrazolylbisindoles via phosphotungstic acid-catalyzed coupling of substituted pyrazole aldehydes with substituted indoles)

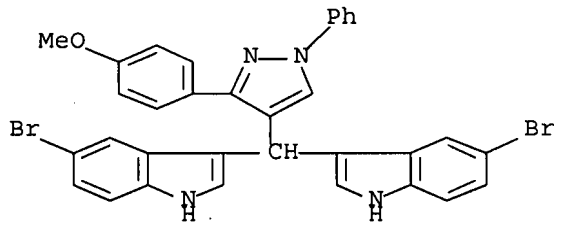
RN 918948-00-2 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis[5-bromo- (CA INDEX NAME)



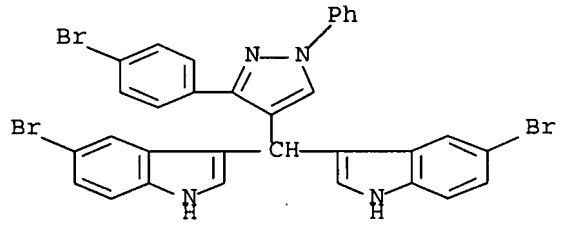
RN 918948-01-3 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-methoxyphenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis[5-nitro- (CA INDEX NAME)



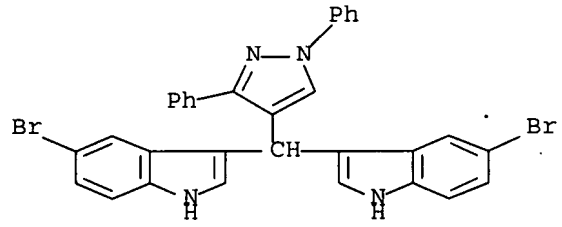
RN 918948-02-4 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-methoxyphenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis[5-bromo- (CA INDEX NAME)



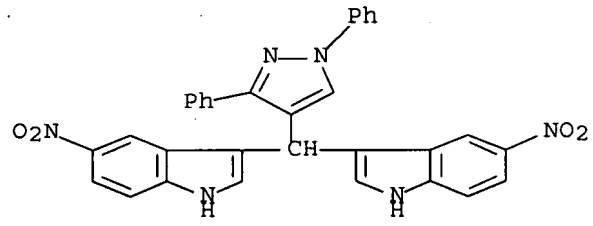
RN 918948-04-6 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-bromophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis[5-bromo- (CA INDEX NAME)



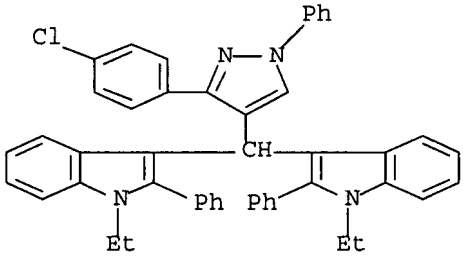
RN 918948-05-7 CAPLUS
CN 1H-Indole, 3,3'-[(1,3-diphenyl-1H-pyrazol-4-yl)methylene]bis[5-bromo- (CA INDEX NAME)



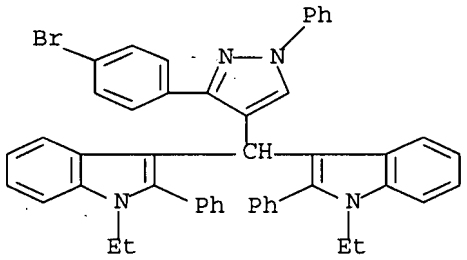
RN 918948-07-9 CAPLUS
CN 1H-Indole, 3,3'-[(1,3-diphenyl-1H-pyrazol-4-yl)methylene]bis[5-nitro- (CA INDEX NAME)



RN 918948-08-0 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis[1-ethyl-2-phenyl- (CA INDEX NAME)



RN 918948-10-4 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-bromophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis[1-ethyl-2-phenyl- (CA INDEX NAME)

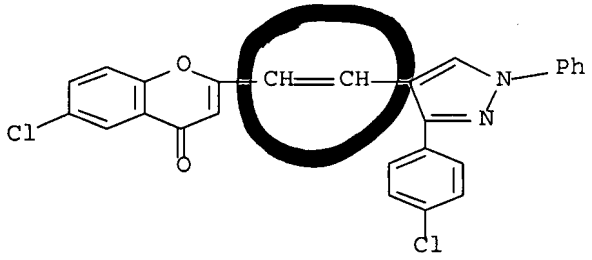


REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

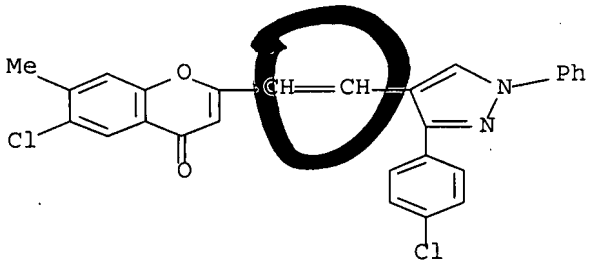
L21 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:616664 CAPLUS Full-text
DOCUMENT NUMBER: 144:232969
TITLE: Synthesis of some 2-[2-(1,3-diphenyl-1H-pyrazol-4-yl)vinylchromen-4-ones]
AUTHOR(S): Bachute, R. T.; Karale, B. K.; Gill, C. H.; Bachute, M. T.
CORPORATE SOURCE: P.G. Department of Chemistry, S.S.G.M. College, Kopargaon, 423 601, India
SOURCE: Indian Journal of Heterocyclic Chemistry (2005), 14(4), 375-376
CODEN: IJCHEI; ISSN: 0971-1627
PUBLISHER: Prof. R. S. Varma
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 144:232969
AB .beta.-Diketones are prepd. by B.V. transformation of the pyrazolylacrylic esters which in turn are obtained by esterification of the acrylic acids with 2-hydroxyacetophenones. The acid catalyzed cyclization of .beta.-diketones yielded 2-[2-(1,3-diphenyl-1H-pyrazol-4-yl)]vinylchromen- 4-ones and they showed moderate antibacterial activity.

IT 876749-73-4P 876749-74-5P 876749-75-6P
876749-76-7P 876749-77-8P 876749-78-9P
876749-79-0P 876749-80-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and antimicrobial activity of 2-[2-(1,3-diphenyl-1H-pyrazol-4-yl)vinylchromen-4-ones] starting from pyrazolylacrylic acids and 2-hydroxyacetophenones)

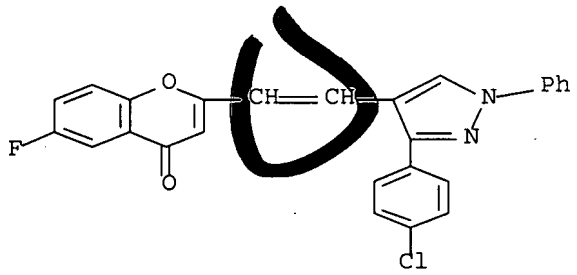
RN 876749-73-4 CAPLUS
CN 4H-1-Benzopyran-4-one, 6-chloro-2-[2-[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (CA INDEX NAME)



RN 876749-74-5 CAPLUS
CN 4H-1-Benzopyran-4-one, 6-chloro-2-[2-[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]-7-methyl- (CA INDEX NAME)

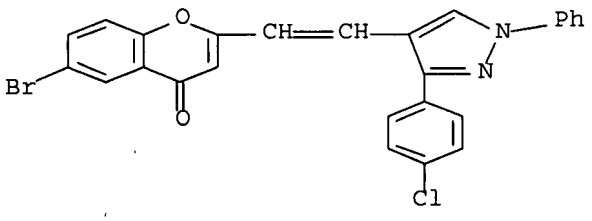


RN 876749-75-6 CAPLUS
CN 4H-1-Benzopyran-4-one, 2-[2-[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]-6-fluoro- (CA INDEX NAME)

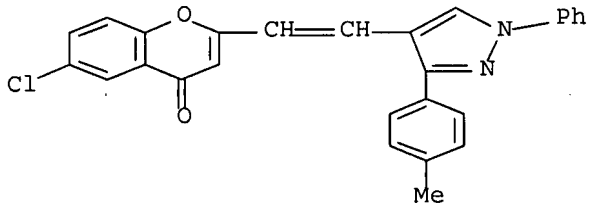


RN 876749-76-7 CAPLUS
CN 4H-1-Benzopyran-4-one, 6-bromo-2-[2-[3-(4-chlorophenyl)-1-phenyl-1H-

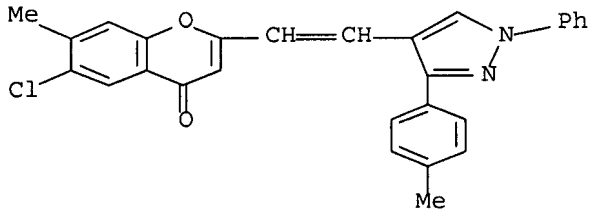
pyrazol-4-yl]ethenyl]- (CA INDEX NAME)



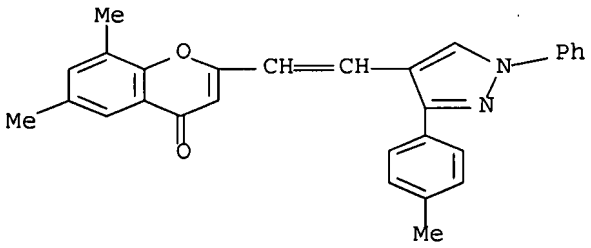
RN 876749-77-8 CAPLUS
CN 4H-1-Benzopyran-4-one, 6-chloro-2-[2-[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (CA INDEX NAME)



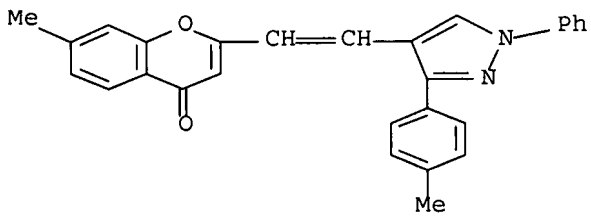
RN 876749-78-9 CAPLUS
CN 4H-1-Benzopyran-4-one, 6-chloro-7-methyl-2-[2-[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (CA INDEX NAME)



RN 876749-79-0 CAPLUS
CN 4H-1-Benzopyran-4-one, 6,8-dimethyl-2-[2-[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (CA INDEX NAME)



RN 876749-80-3 CAPLUS
CN 4H-1-Benzopyran-4-one, 7-methyl-2-[2-[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

late

L21 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:451965 CAPLUS Full-text
DOCUMENT NUMBER: 144:128892
TITLE: 4-Functionally-substituted 3-hetarylpyrazoles: Part XV. 3-Aryl(hetaryl)-1-phenyl-4-pyrazolylmethylamines and heterocumulenes obtained therefrom
AUTHOR(S): Bratenko, M. K.; Panimarchuk, O. I.; Mel'nichenko, N. V.; Vovk, M. V.
CORPORATE SOURCE: Bukovinskaya State Medical Academy, Chernovtsy, 58000, Ukraine
SOURCE: Russian Journal of Organic Chemistry (2005), 41(2), 238-242
CODEN: RJOCEQ; ISSN: 1070-4280
PUBLISHER: Pleiades Publishing, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 144:128892

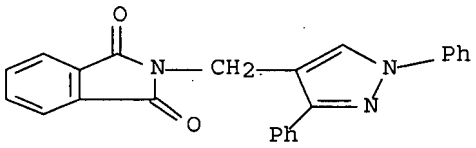
AB By redn. of 3-aryl(hetaryl)-1-phenyl-4-(azidomethyl)pyrazoles in the presence of Raney nickel or by hydrazinolysis of N-[3-aryl(hetaryl)-1- phenyl-4-pyrazolylmethyl]phthalimides, 4-pyrazolylmethylamines were obtained that in reaction with OC(OCCl3)2 afforded 3-aryl(hetaryl)-1- phenyl-4-pyrazolylmethyl isocyanates, and with CS2 furnished 3-aryl(hetaryl)-1-phenyl-4-pyrazolylmethyl isothiocyanates.

IT 873313-03-2P 873313-04-3P 873313-05-4P
873313-06-5P 873313-07-6P 873313-08-7P
873313-09-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of (arylpyrazolyl)methanamines)

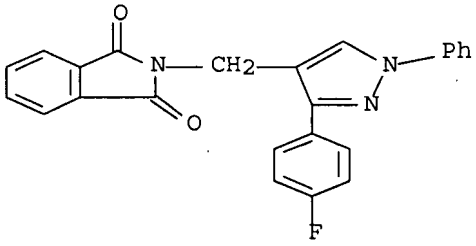
RN 873313-03-2 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[(1,3-diphenyl-1H-pyrazol-4-yl)methyl]- (CA INDEX NAME)



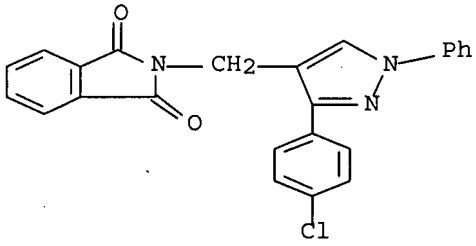
RN 873313-04-3 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[[3-(4-fluorophenyl)-1-phenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



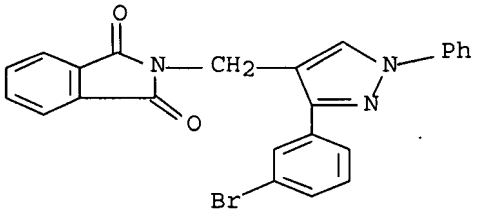
RN 873313-05-4 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)

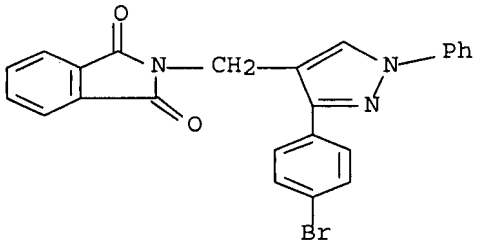


RN 873313-06-5 CAPLUS

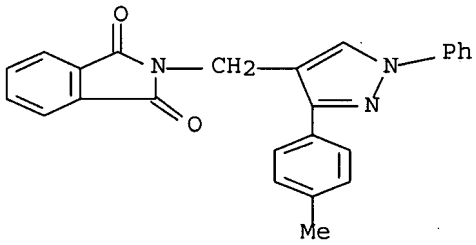
CN 1H-Isoindole-1,3(2H)-dione, 2-[[3-(3-bromophenyl)-1-phenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



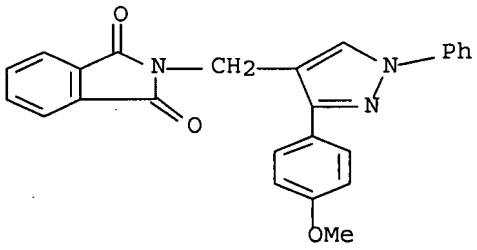
RN 873313-07-6 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[[3-(4-bromophenyl)-1-phenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



RN 873313-08-7 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



RN 873313-09-8 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[[3-(4-methoxyphenyl)-1-phenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



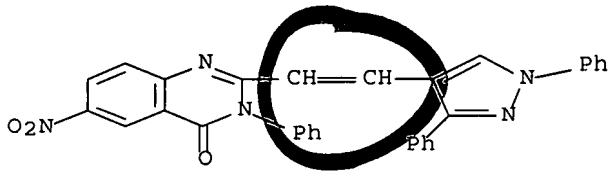
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:755117 CAPLUS Full-text
DOCUMENT NUMBER: 142:178643
TITLE: Synthesis and fastness properties of styryl and azo disperse dyes derived from 6-nitro substituted 3-aryl-2-methyl-4(3H)-quinazolinone
AUTHOR(S): Bhatti, Harjinder Singh; Seshadri, Sambamurthy
CORPORATE SOURCE: Dyes Research Laboratory, University Institute of Chemical Technology, University of Mumbai, Mumbai, 400019, India
SOURCE: Coloration Technology (2004), 120(4), 151-155
CODEN: CTOEAZ; ISSN: 1472-3581
PUBLISHER: Society of Dyers and Colourists
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:178643

AB The synthesis of 6-nitro-substituted 3-aryl-2-methyl-4(3H)-quinazolinones from readily available starting materials, such as isatoic anhydride, is described. One of these, 3-phenyl-2-methyl-4(3H)-quinazolinone, has been utilized to prep. a range of styryl disperse dyes for polyester. Novel azo disperse dyes based on 6-nitro-3-[m-(diethylamino)phenyl]-2-methyl- 4(3H)-quinazolinone as coupling component are reported. The application properties of the dyes on polyester and their fastness properties have been evaluated, with the latter being disappointing.

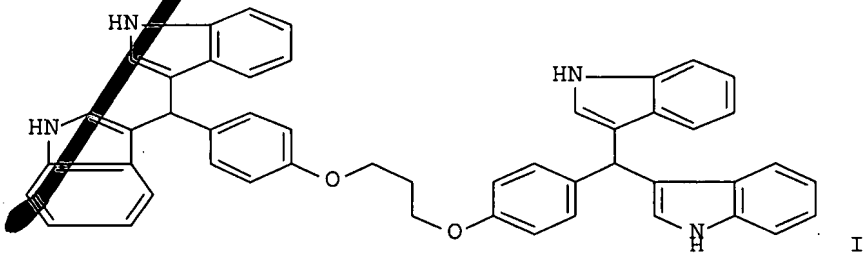
IT 834881-75-3P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(dull yellow dye; prepn. and fastness properties of styryl and azo disperse dyes derived from quinazolinone)

RN 834881-75-3 CAPLUS
CN 4(3H)-Quinazolinone, 2-[2-(1,3-diphenyl-1H-pyrazol-4-yl)ethenyl]-6-nitro-3-phenyl- (CA INDEX NAME)



REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:465425 CAPLUS Full-text
DOCUMENT NUMBER: 141:207143
TITLE: Amberlyst 15 catalyzed synthesis of indole-pyrazole based tri(hetero)arylmethanes
AUTHOR(S): Farhanullah; Sharon, Ashoke; Maulik, Prakas R.; Ram, Vishnu Ji
CORPORATE SOURCE: Divisions of Medicinal Chemistry, Central Drug Research Institute, Lucknow, 226001, India
SOURCE: Tetrahedron Letters (2004), 45(26), 5099-5102
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 141:207143
GI



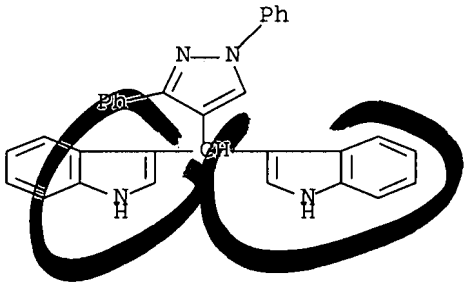
I

AB An expedient synthesis of 1,3-diaryl-4-(3,3'-diindolyl)methylpyrazoles has been developed using Amberlyst 15-catalyzed condensation of 1,3-diaryl-4-formyl pyrazoles with indoles. This reaction was further extended to the synthesis of 4,4'-bis(3,3'-diindolyl)methylphenoxy-alkanes by coupling of 4,4'-di(formylphenoxy)alkane with indole. For example, the Amberlyst 15-catalyzed condensation of 4,4'-[1,3- propanediylbis(oxy)]bis[benzaldehyde] with indole thus gave a (methylene)bis[1H-indole] deriv. (I) in 84% yield.

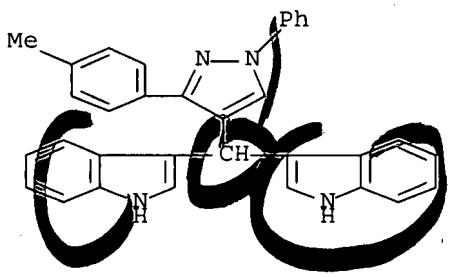
IT 741290-55-1P 741290-56-2P 741290-57-3P
741290-58-4P 741290-60-8P 741290-62-0P
741290-63-1P 741290-64-2P 741290-65-3P
741290-66-4P 741290-67-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of [(pyrazolyl)methylene]bis[1H-indole] derivs. by Amberlyst 15-catalyzed condensation of indole with pyrazolecarboxaldehyde derivs.)

RN 741290-55-1 CAPLUS

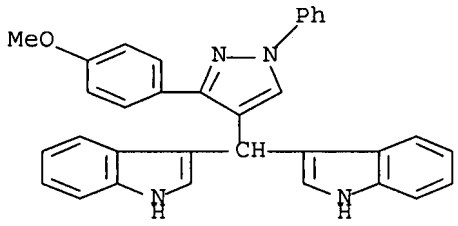
CN 1H-Indole, 3,3'-[(1,3-diphenyl-1H-pyrazol-4-yl)methylene]bis- (CA INDEX NAME)



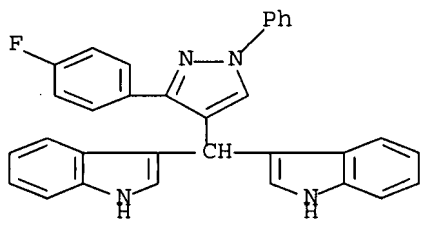
RN 741290-56-2 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis- (CA INDEX NAME)



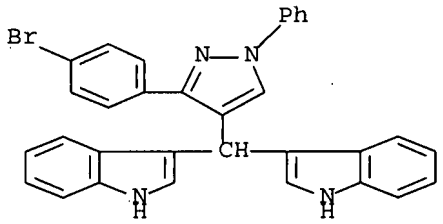
RN 741290-57-3 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-methoxyphenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis- (CA INDEX NAME)



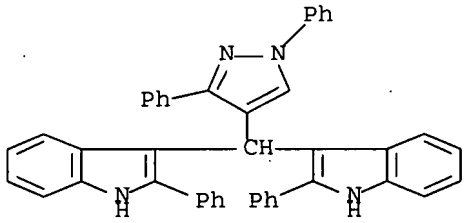
RN 741290-58-4 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-fluorophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis- (CA INDEX NAME)



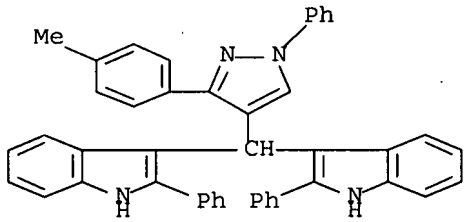
RN 741290-60-8 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-bromophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis-
(CA INDEX NAME)



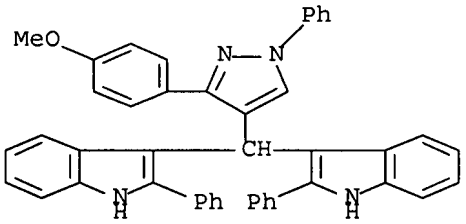
RN 741290-62-0 CAPLUS
CN 1H-Indole, 3,3'-[(1,3-diphenyl-1H-pyrazol-4-yl)methylene]bis[2-phenyl-
(CA INDEX NAME)



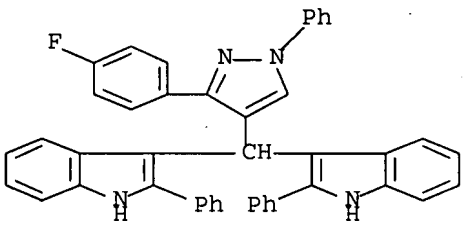
RN 741290-63-1 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-
yl]methylene]bis[2-phenyl- (CA INDEX NAME)



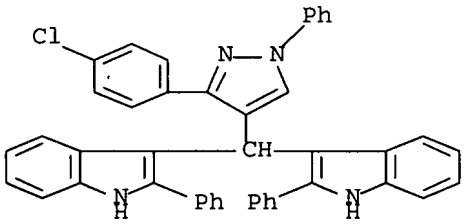
RN 741290-64-2 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-methoxyphenyl)-1-phenyl-1H-pyrazol-4-
yl]methylene]bis[2-phenyl- (CA INDEX NAME)



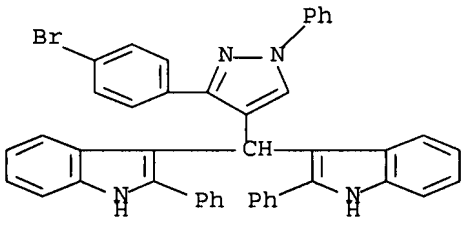
RN 741290-65-3 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-fluorophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis[2-phenyl- (CA INDEX NAME)



RN 741290-66-4 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis[2-phenyl- (CA INDEX NAME)

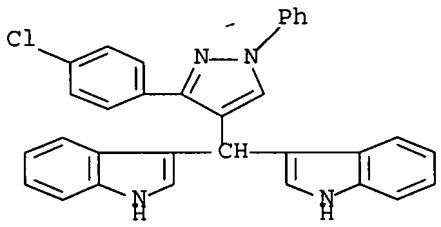


RN 741290-67-5 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-bromophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis[2-phenyl- (CA INDEX NAME)



IT 741290-59-5P 741290-85-7P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of [[(chlorophenyl)pyrazolyl]methylene]bis[1H-indole] and study of its crystal and mol. structures)

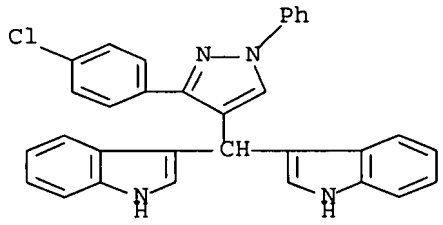
RN 741290-59-5 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis- (CA INDEX NAME)



RN 741290-85-7 CAPLUS
CN 1H-Indole, 3,3'-[[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]methylene]bis-, compd. with trichloromethane (1:2) (9CI) (CA INDEX NAME)

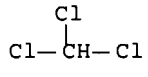
CM 1

CRN 741290-59-5
CMF C32 H23 Cl N4



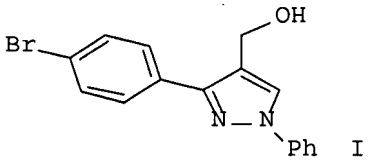
CM 2

CRN 67-66-3
CMF C H Cl3

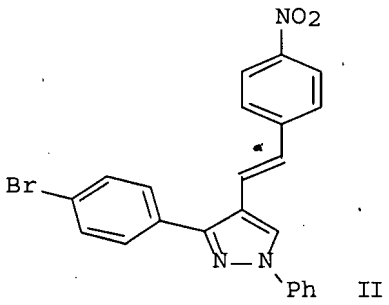


REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:543324 CAPLUS Full-text
DOCUMENT NUMBER: 137:370022
TITLE: 4-Functionally Substituted 3-Heterylpyrazoles: VIII. 3-Aryl(heteryl)-4-hydroxyl(chloro)methylpyrazoles
AUTHOR(S): Bratenko, M. K.; Chornous, V. A.; Vovk, M. V.
CORPORATE SOURCE: Bukovyna State Medical Academy, Chernovtsy, 58000, Ukraine
SOURCE: Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (2002), 38(3), 411-414
CODEN: RJOCEQ; ISSN: 1070-4280
PUBLISHER: MAIK Nauka/Interperiodica Publishing
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 137:370022
GI



I

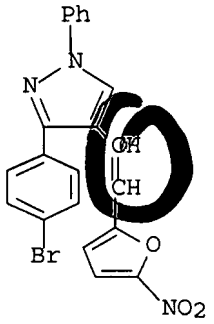


II

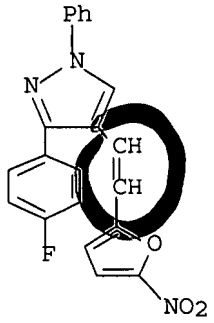
AB 3-Aryl(heteryl)pyrazole-4-carbaldehydes were reduced with sodium borohydride under mild conditions to give 3-aryl(heteryl)-4- hydroxymethylpyrazoles, e.g., I, which were converted into the corresponding 4-chloromethyl derivs. by treatment with thionyl chloride. The subsequent reaction with triphenylphosphine led to formation of triphenyl(4-pyrazolylmethyl)phosphonium chlorides, and Wittig reaction of the latter with arom. or heteroarom. aldehydes yielded 4-[2-aryl(heteryl)ethenyl]pyrazoles, e.g., II.

IT 371773-67-0P 371773-80-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of arylethenyl(diaryl)pyrazoles via nucleophilic substitution of (diaryl)chloromethylpyrazoles with triphenylphosphine and subsequent Wittig reaction with arom. aldehydes)

RN 371773-67-0 CAPLUS
CN 1H-Pyrazole, 3-(4-bromophenyl)-4-[2-(5-nitro-2-furanyl)ethenyl]-1-phenyl- (CA INDEX NAME)



RN 371773-80-7 CAPLUS
CN 1H-Pyrazole, 3-(4-fluorophenyl)-4-[2-(5-nitro-2-furanyl)ethenyl]-1-phenyl- (CA INDEX NAME)

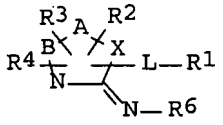


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:10625 CAPLUS Full-text
DOCUMENT NUMBER: 132:64186
TITLE: Preparation of cyclic amidino agents useful as nitric oxide synthase inhibitors
INVENTOR(S): Hansen, Donald W., Jr.; Hallinan, E. Ann; Hagen, Timothy J.; Kramer, Steven W.; Metz, Suzanne; Peterson, Karen B.; Spangler, Dale P.; Toth, Mihaly V.; Fok, Kam F.; Bergmanis, Arija A.; Webber, R. Keith; Trivedi, Mahima; Tjoeng, Foe S.; Pitzele, Barnett S.
PATENT ASSIGNEE(S): G.D. Searle and Co., USA
SOURCE: U.S., 97 pp., Cont.-in-part of U.S. Ser. No. 425,831, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6011028	A	20000104	US 1998-913838	19980327

WO 9633175 A1 19961024 WO 1996-US5315 19960419
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN
PRIORITY APPLN. INFO.: US 1995-425831 B2 19950420
WO 1996-US5315 W 19960419
OTHER SOURCE(S): MARPAT 132:64186
GI



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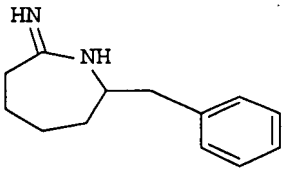


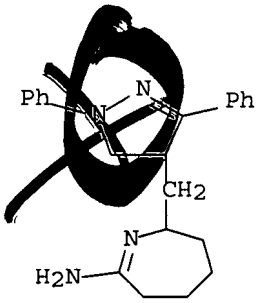
II

AB The current invention discloses useful amidino deriv. or general formula I [R1 = (un)substituted cycloalkyl, heterocyclyl, aryl, etc; R2, R3, R4 = independently selected from H, alkyl, alkenyl, etc; R5, R6 = H, OH, or alkyloxy; A, B = alkyl, alkenyl, etc; L = alkylene, alkenylene, etc; a proviso is given; X = NH, O, S, alkyl, or alkenyl] useful as nitric oxide synthase inhibitors. Compd. II shows an IC50 value of 6.2.mu.M against human inducible nitric oxide synthase.

IT 184367-63-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of cyclic amidino agents useful as nitric oxide synthase inhibitors)

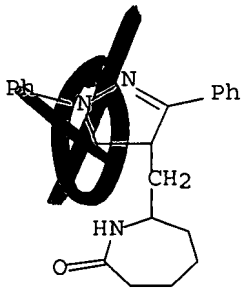
RN 184367-63-3 CAPLUS

CN 2H-Azepin-7-amine, 2-[(4,5-dihydro-1,3-diphenyl-1H-pyrazol-4-yl)methyl]-3,4,5,6-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)

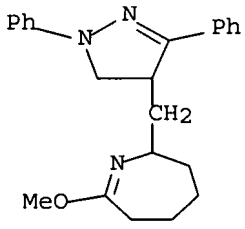


● HCl

IT 253139-55-8P 253139-57-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of cyclic amidino agents useful as nitric oxide synthase inhibitors)
RN 253139-55-8 CAPLUS
CN 2H-Azepin-2-one, 7-[(4,5-dihydro-1,3-diphenyl-1H-pyrazol-4-yl)methyl]hexahydro- (CA INDEX NAME)



RN 253139-57-0 CAPLUS
CN 2H-Azepine, 2-[(4,5-dihydro-1,3-diphenyl-1H-pyrazol-4-yl)methyl]-3,4,5,6-tetrahydro-7-methoxy- (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:81434 CAPLUS Full-text
DOCUMENT NUMBER: 126:171499
TITLE: 1,3-Dipolar cycloadditions of electron-rich

benzotriazol-1-ylpropenes

AUTHOR(S): Katritzky, Alan R.; Musgrave, Richard P.; Breytenbach, Jaco C.

CORPORATE SOURCE: Cent. Heterocyclic Compounds, Univ. Florida, Gainesville, FL, 32611-7200, USA

SOURCE: Journal of Heterocyclic Chemistry (1996), 33(6), 1637-1646
CODEN: JHTCAD; ISSN: 0022-152X

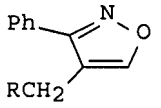
PUBLISHER: HeteroCorporation

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 126:171499

GI



I

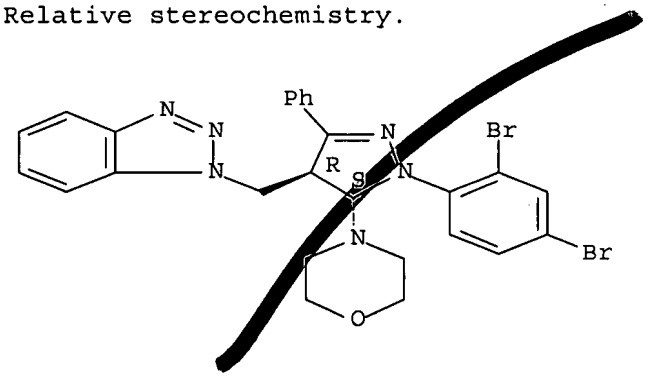
AB The prepn. of trans-3-benzotriazol-1-yl-1-(N-morpholino)prop-1-ene, trans-3-benzotriazol-1-yl-1-ethoxyprop-1-ene, and trans-1,3-bis- (benzotriazol-1-yl)propene (I) and their reactions with benzonitrile oxide, N-(2,4-dibromophenyl)-1-phenylnitrilimine, and p-nitrophenyl azide are described. E.g., reaction of PhC.tplbond.N+O- with I, followed by refluxing in ethanolic HCl, gave isoxazole I (R = benzotriazol-1-yl).

IT 187095-36-9P 187095-37-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(1,3-dipolar cycloaddns. of electron-rich benzotriazol-1-ylpropenes)

RN 187095-36-9 CAPLUS

CN 1H-Benzotriazole, 1-[[1-(2,4-dibromophenyl)-4,5-dihydro-5-(4-morpholinyl)-3-phenyl-1H-pyrazol-4-yl]methyl]-, trans- (9CI) (CA INDEX NAME)

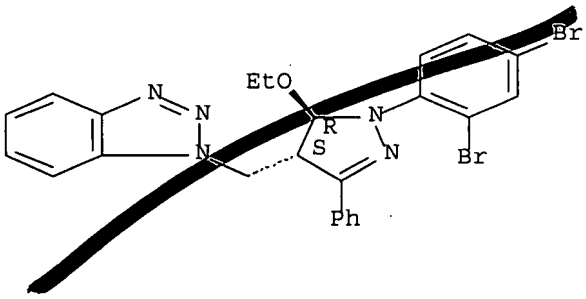
Relative stereochemistry.



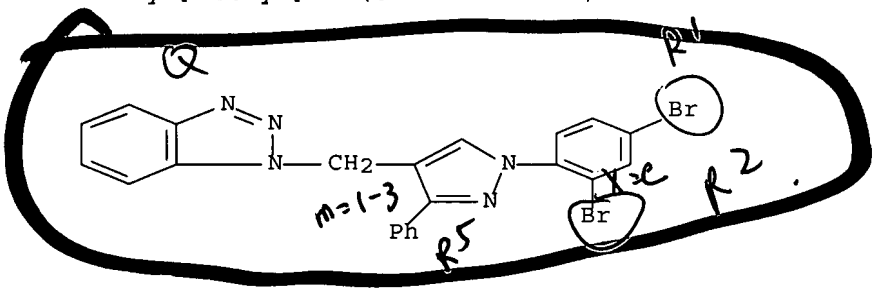
RN 187095-37-0 CAPLUS

CN 1H-Benzotriazole, 1-[[1-(2,4-dibromophenyl)-5-ethoxy-4,5-dihydro-3-phenyl-1H-pyrazol-4-yl]methyl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

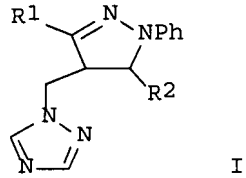


IT 187095-38-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(1,3-dipolar cycloaddns. of electron-rich benzotriazol-1-ylpropenes)
RN 187095-38-1 CAPLUS
CN 1H-Benzotriazole, 1-[[1-(2,4-dibromophenyl)-3-phenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:55309 CAPLUS Full-text
DOCUMENT NUMBER: 126:199501
TITLE: Design and synthesis of new triazole compounds containing 2H-pyrazole
AUTHOR(S): Shi, Yan-Nian; Yang, Yang; Fang, Jian-Xin; Lu, Wen-Shuo
CORPORATE SOURCE: Inst. Elemento-Organic Chem., Nankai Univ., Tianjin, 300071, Peop. Rep. China
SOURCE: Gaodeng Xuexiao Huaxue Xuebao (1996), 17(10), 1578-1582
CODEN: KTHPDM; ISSN: 0251-0790
PUBLISHER: Gaodeng Jiaoyu Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
GI



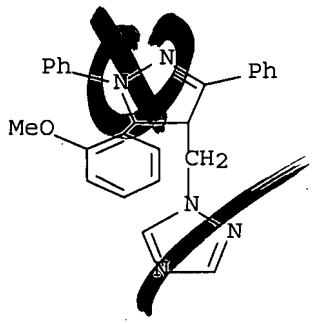
I

AB Title compds. I (R1 = Ph, 4-MeOC6H4, 4-ClC6H4, 3-O2NC6H4; R2 = Ph, 2-MeOC6H4, 4-MeOC6H4, 2-, 3-, 4-ClC6H4, 4-MeC6H4) were prepd. starting from reaction of R1COCH2CH2NMe2.HCl with triazole. I (R1 = Ph, R2 = 2-MeOC6H4) showed plant growth regulator activity.

IT 186792-45-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis of pyrazolylmethyltriazoles as plant growth regulators)

RN 186792-45-0 CAPLUS

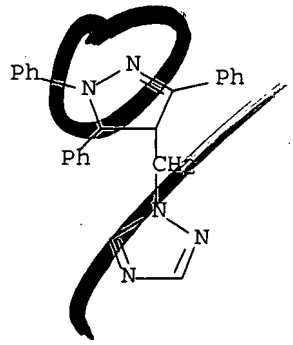
CN 1H-1,2,4-Triazole, 1-[[4,5-dihydro-5-(2-methoxyphenyl)-1,3-diphenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



IT 186792-44-9P 186792-46-1P 186792-47-2P
186792-48-3P 186792-49-4P 186792-50-7P
186792-51-8P 186792-52-9P 186792-53-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of pyrazolylmethyltriazoles as plant growth regulators)

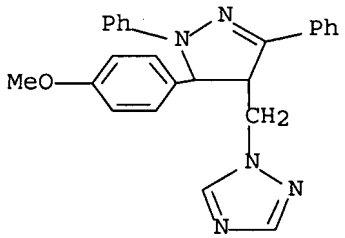
RN 186792-44-9 CAPLUS

CN 1H-1,2,4-Triazole, 1-[(4,5-dihydro-1,3,5-triphenyl-1H-pyrazol-4-yl)methyl]- (CA INDEX NAME)

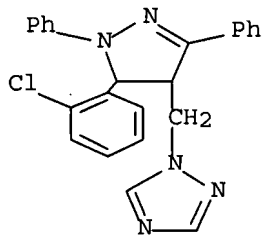


RN 186792-46-1 CAPLUS

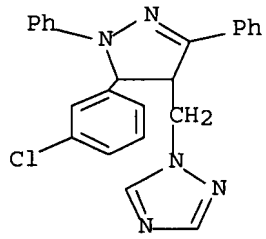
CN 1H-1,2,4-Triazole, 1-[[4,5-dihydro-5-(4-methoxyphenyl)-1,3-diphenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



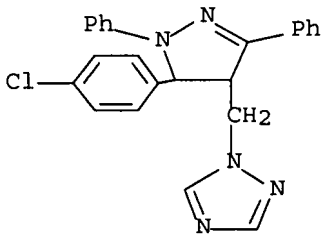
RN 186792-47-2 CAPLUS
CN 1H-1,2,4-Triazole, 1-[[5-(2-chlorophenyl)-4,5-dihydro-1,3-diphenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



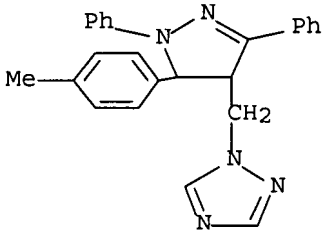
RN 186792-48-3 CAPLUS
CN 1H-1,2,4-Triazole, 1-[[5-(3-chlorophenyl)-4,5-dihydro-1,3-diphenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



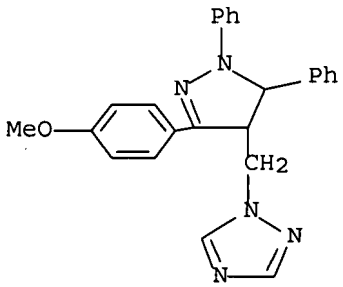
RN 186792-49-4 CAPLUS
CN 1H-1,2,4-Triazole, 1-[[5-(4-chlorophenyl)-4,5-dihydro-1,3-diphenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



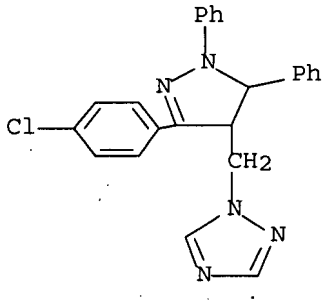
RN 186792-50-7 CAPLUS
CN 1H-1,2,4-Triazole, 1-[[4,5-dihydro-5-(4-methylphenyl)-1,3-diphenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



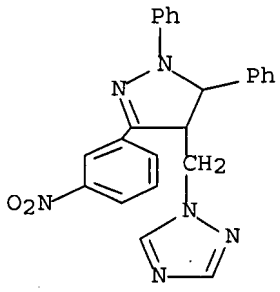
RN 186792-51-8 CAPLUS
CN 1H-1,2,4-Triazole, 1-[[4,5-dihydro-3-(4-methoxyphenyl)-1,5-diphenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



RN 186792-52-9 CAPLUS
CN 1H-1,2,4-Triazole, 1-[[3-(4-chlorophenyl)-4,5-dihydro-1,5-diphenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



RN 186792-53-0 CAPLUS
CN 1H-1,2,4-Triazole, 1-[[4,5-dihydro-3-(3-nitrophenyl)-1,5-diphenyl-1H-pyrazol-4-yl]methyl]- (CA INDEX NAME)



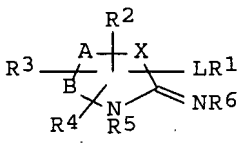
L21 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:758969 CAPLUS Full-text
DOCUMENT NUMBER: 126:31278
TITLE: Preparation of iminoazepines and related cyclic amidines useful as nitric oxide synthase inhibitors.
INVENTOR(S): Hansen, Donald W., Jr.; Hallinan, E. Ann; Hagen, Timothy J.; Kramer, Steven W.; Metz, Suzanne; Peterson, Karen B.; Spangler, Dale P.; Toth, Mihaly V.; Fok, Kam F.; et al.
PATENT ASSIGNEE(S): G.D. Searle and Co., USA
SOURCE: PCT Int. Appl., 299 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9633175	A1	19961024	WO 1996-US5315	19960419
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
CA 2216882	A1	19961024	CA 1996-2216882	19960419

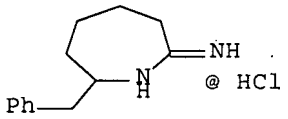
AU 9653916	A	19961107	AU 1996-53916		19960419
AU 712315	B2	19991104			
EP 821674	A1	19980204	EP 1996-910833		19960419
EP 821674	B1	20030806			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI					
CN 1189823	A	19980805	CN 1996-194802		19960419
CN 1105706	B	20030416			
BR 9608012	A	19990105	BR 1996-8012		19960419
JP 11504319	T	19990420	JP 1996-531885		19960419
AT 246678	T	20030815	AT 1996-910833		19960419
ES 2206571	T3	20040516	ES 1996-910833		19960419
TW 401401	B	20000811	TW 1996-85106915		19960608
US 5883251	A	19990316	US 1997-977621		19971125
US 6011028	A	20000104	US 1998-913838		19980327
CN 1305993	A	20010801	CN 2000-130981		20001109
PRIORITY APPLN. INFO.:			US 1995-425831	A2	19950420
			WO 1996-US5315	W	19960419

OTHER SOURCE(S): MARPAT 126:31278

GI



I



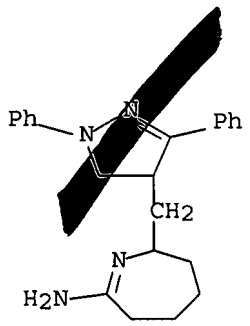
II

AB Title compds. [I; R1 = (substituted) cycloalkyl, heterocyclyl, aryl; R2-R4 = H, (substituted) alkyl, alkenyl, alkynyl, OH, alkoxy, SH, alkylthio, amino, NO2, cyano, arylamino, alkylamino, acylamino, arylamino, haloalkyl, SO2NR7R9, etc.; R5, R6 = H, OH, alkoxy; R7 = H, alkyl, aryl; R8 = H, alkyl, COR9, CO2R9; R9 = alkyl, aryl; L = (substituted) alkylene, alkenylene, alkynylene, (CH2)mD(CH2)n; D = O, S, SO, SO2, SO2NR7, NR7SO2, NR8, POOR7, PON(R7)2, POOR7NR7, NR7POOR7, CO, CO2; B = (CH2)v, CH:CH; A = O, NR7, (CH2)q, CH:CH; X = NH, O, S, (CH2)p, CH:CH; m = 0-7; n = 0-5; p = 0-4; q = 1, 2], were prepd. Thus, 2-benzylcyclohexanone was converted to the oxime, which was heated in 80% aq. H2SO4 to give a mixt. of 3- and 7-benzylcaprolactam. The 7-benzyl isomer was treated with Me3OBF4 and mol. sieves to give the methoxyimine, which was refluxed with NH4Cl in MeOH to give title compd. (II). II inhibited human inducible nitric oxide synthase with IC50 = 6.2 .mu.M.

IT 184367-63-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of iminoazepines and related cyclic amidines useful as nitric oxide synthase inhibitors)

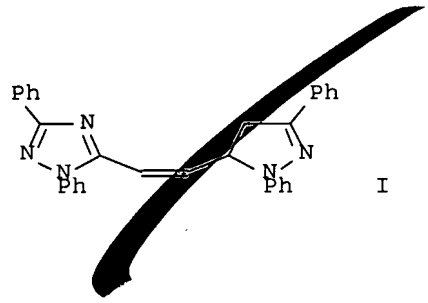
RN 184367-63-3 CAPLUS

CN 2H-Azepin-7-amine, 2-[(4,5-dihydro-1,3-diphenyl-1H-pyrazol-4-yl)methyl]-3,4,5,6-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)

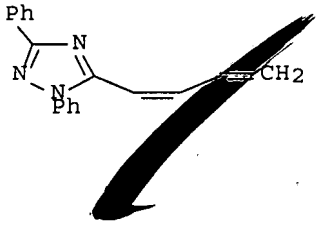


● HCl

L21 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:502763 CAPLUS Full-text
DOCUMENT NUMBER: 123:143749
TITLE: A pericyclic cascade in the addition of diphenyl nitrile imine to pyridine
AUTHOR(S): Caramella, Pierluigi; Gamba Invernizzi, Anna; Pastormerlo, Eros; Quadrelli, Paolo; Corsaro, Antonino
CORPORATE SOURCE: Dipartimento di Chimica Organica, Universita di Pavia, Pavia, I-27100, Italy
SOURCE: Heterocycles (1995), 40(2), 515-20
CODEN: HTCYAM; ISSN: 0385-5414
PUBLISHER: Japan Institute of Heterocyclic Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 123:143749
GI



I

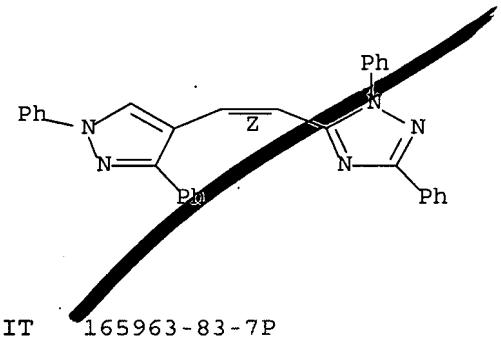


II

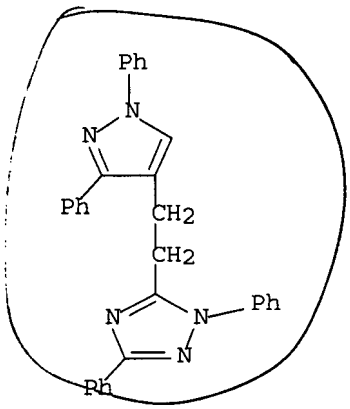
AB On refluxing in benzene in the presence of excess pyridine the monocycloadduct of di-Ph nitrile imine to pyridine smoothly undergoes a [1,5] sigmatropic shift and a subsequent electrocyclic opening to afford 1,2,4-triazole derivs. I and II.

IT 165963-82-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(a pericyclic cascade in addn. of di-Ph nitrile imine to pyridine)
RN 165963-82-6 CAPLUS
CN 1H-1,2,4-Triazole, 5-[2-(1,3-diphenyl-1H-pyrazol-4-yl)ethenyl]-1,3-diphenyl-, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

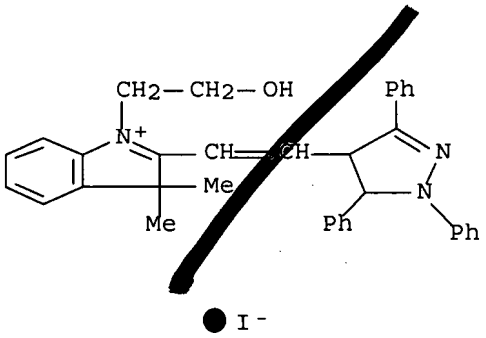


IT 165963-83-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(a pericyclic cascade in addn. of di-Ph nitrile imine to pyridine)
RN 165963-83-7 CAPLUS
CN 1H-1,2,4-Triazole, 5-[2-(1,3-diphenyl-1H-pyrazol-4-yl)ethyl]-1,3-diphenyl-(9CI) (CA INDEX NAME)

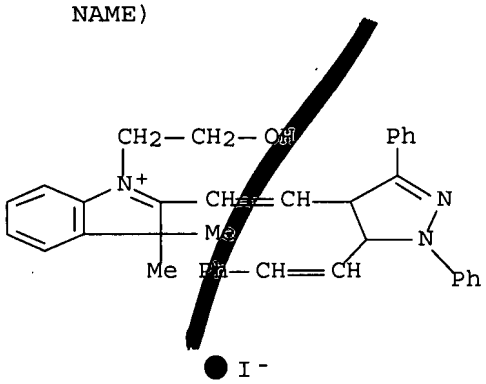


102b.

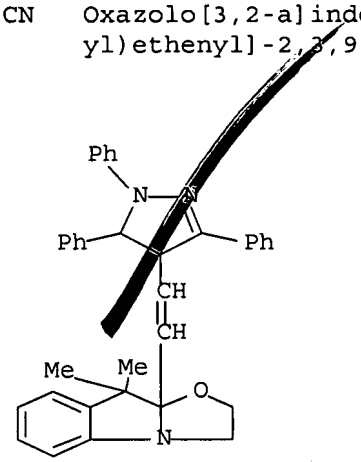
L21 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1993:256578 CAPLUS Full-text
DOCUMENT NUMBER: 118:256578
TITLE: Synthesis of arylpyrazolinylvinyloxazolidinodihydroindoles and their chromophoric properties
AUTHOR(S): Ma, Yinmin; Li, Zhongjie
CORPORATE SOURCE: Dep. Chem., Northwest Univ., Xian, 710069, Peop. Rep. China
SOURCE: Gaodeng Xuexiao Huaxue Xuebao (1992), 13(10), 1262-4
CODEN: KTHPDM; ISSN: 0251-0790
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
OTHER SOURCE(S): CASREACT 118:256578
AB The title dyes were synthesized by formylation of 1,5-diphenylpyrazoline, 1,3,5-triphenylpyrazoline, and 1,5-diphenyl-3-styrylpyrazoline with POCl3 in DMF, followed by condensation with 1-hydroxyethyl-2,3,3-trimethyl-3H- indolium iodide, and treatment with EtNa. The dyes were halochromic and piezochromic and thus suitable for manufg. acid-sensitive film and use as pressure-sensitive pigments.
IT 148047-44-3P 148047-45-4P 148061-75-0P
148061-76-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and chromophoric properties and applications of)
RN 148047-44-3 CAPLUS
CN 3H-Indolium, 2-[2-(4,5-dihydro-1,3,5-triphenyl-1H-pyrazol-4-yl)ethenyl]-1-(2-hydroxyethyl)-3,3-dimethyl-, iodide (9CI) (CA INDEX NAME)



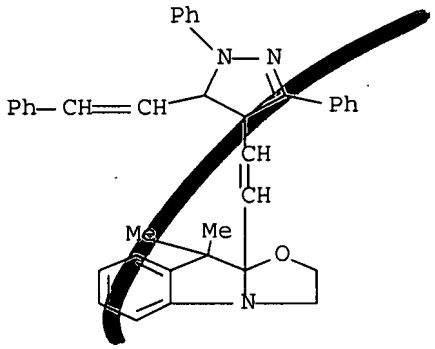
RN 148047-45-4 CAPLUS
CN 3H-Indolium, 2-[2-[4,5-dihydro-1,3-diphenyl-5-(2-phenylethenyl)-1H-pyrazol-4-yl]ethenyl]-1-(2-hydroxyethyl)-3,3-dimethyl-, iodide (9CI) (CA INDEX NAME)



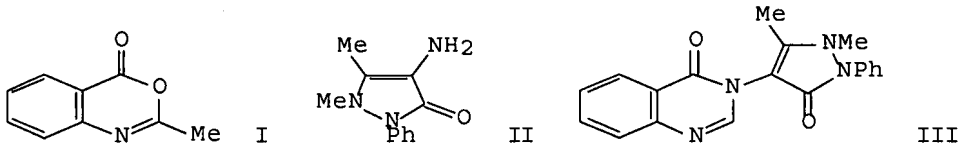
RN 148061-75-0 CAPLUS
CN Oxazolo[3,2-a]indole, 9a-[2-(4,5-dihydro-1,3,5-triphenyl-1H-pyrazol-4-yl)ethenyl]-2,3,9,9a-tetrahydro-9,9-dimethyl- (9CI) (CA INDEX NAME)



RN 148061-76-1 CAPLUS
CN Oxazolo[3,2-a]indole, 9a-[2-[4,5-dihydro-1,3-diphenyl-5-(2-phenylethenyl)-1H-pyrazol-4-yl]ethenyl]-2,3,9,9a-tetrahydro-9,9-dimethyl- (9CI) (CA INDEX NAME)



L21 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:122242 CAPLUS Full-text
DOCUMENT NUMBER: 114:122242
TITLE: Non-steroidal antiinflammatory agents. III: Synthesis of pyrazole derivatives of 4(3H)-quinazolinones
AUTHOR(S): Farghaly, Ahmed M.; Chaaban, Ibrahim; Khalil, Mounir A.; Bekhit, Adnan A.
CORPORATE SOURCE: Fac. Pharm., Univ. Alexandria, Alexandria, Egypt
SOURCE: Alexandria Journal of Pharmaceutical Sciences (1990), 4(1), 52-6
CODEN: AJPSES; ISSN: 1110-1792
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 114:122242
GI



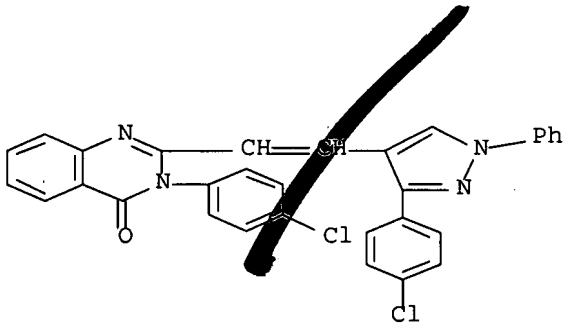
I II III

AB Several groups of compds. were synthesized having a pyrazole or pyrazoline moiety attached to 4(3H)-quinazolinone at the 2- or 3-position either directly or through different linkages. The linkages include methinamino, ethenyl, iminomethyl, aminomethyl or methinehydrazino grouping. Thus, acetanthranil (I) was treated with aminoantipyrine II to give 4(3H)-quinazolinone III. The antiinflammatory activity of representative examples of the products is reported.

IT 132088-52-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and antiinflammatory activity of)

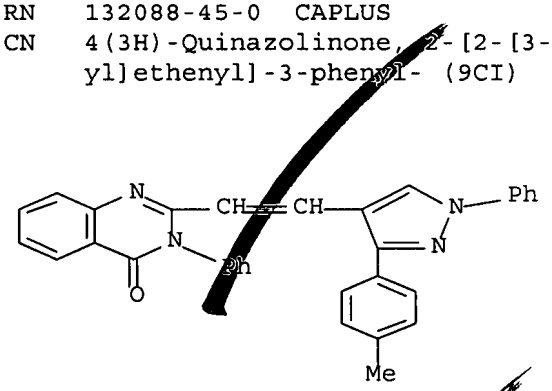
RN 132088-52-9 CAPLUS

CN 4(3H)-Quinazolinone, 3-(4-chlorophenyl)-2-[2-[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (9CI) (CA INDEX NAME)

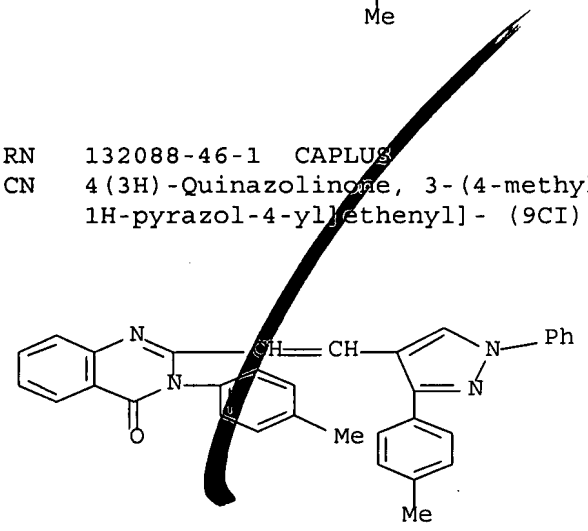


IT 132088-45-0P 132088-46-1P 132088-47-2P
132088-48-3P 132088-49-4P 132088-50-7P
132088-51-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

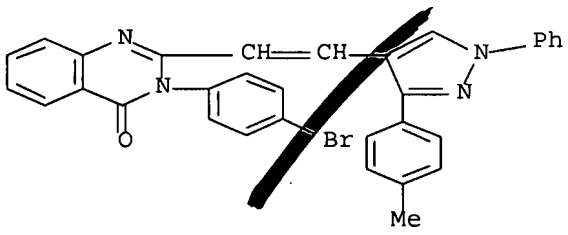
RN 132088-45-0 CAPLUS
CN 4(3H)-Quinazolinone, 2-[2-[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]-3-phenyl- (9CI) (CA INDEX NAME)



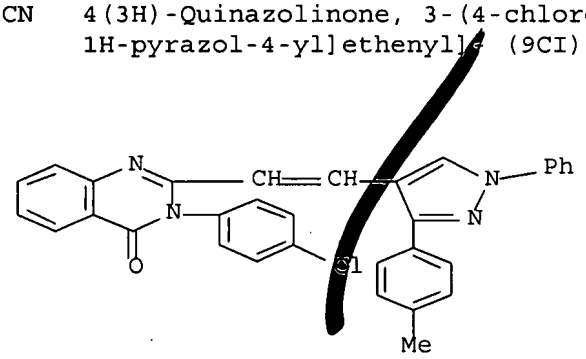
RN 132088-46-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-(4-methylphenyl)-2-[2-[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (9CI) (CA INDEX NAME)



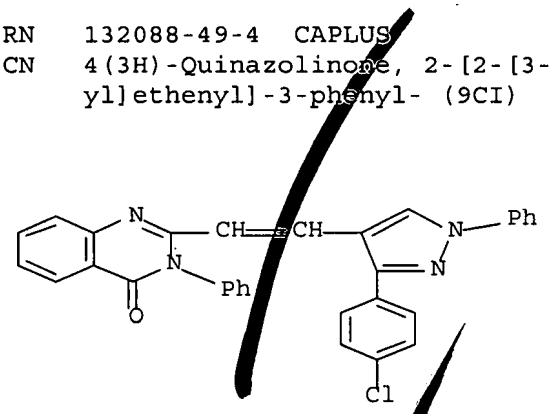
RN 132088-47-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-(4-bromophenyl)-2-[2-[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (9CI) (CA INDEX NAME)



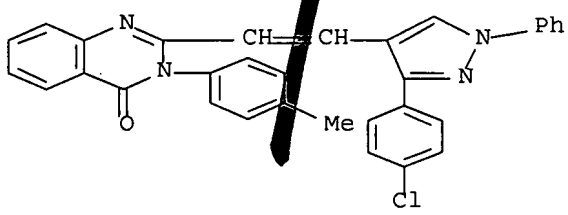
RN 132088-48-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-(4-chlorophenyl)-2-[2-[3-(4-methylphenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (9CI) (CA INDEX NAME)



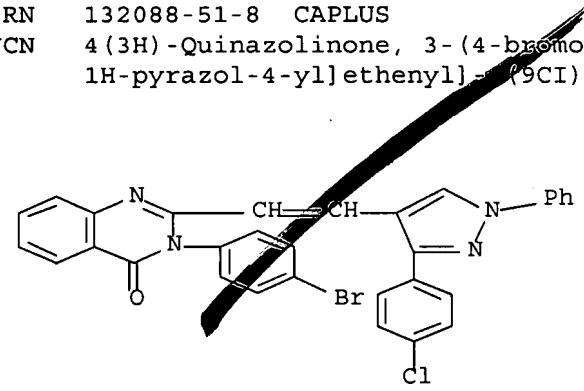
RN 132088-49-4 CAPLUS
CN 4(3H)-Quinazolinone, 2-[2-[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]-3-phenyl- (9CI) (CA INDEX NAME)



RN 132088-50-7 CAPLUS
CN 4(3H)-Quinazolinone, 2-[2-[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]-3-(4-methylphenyl)- (9CI) (CA INDEX NAME)



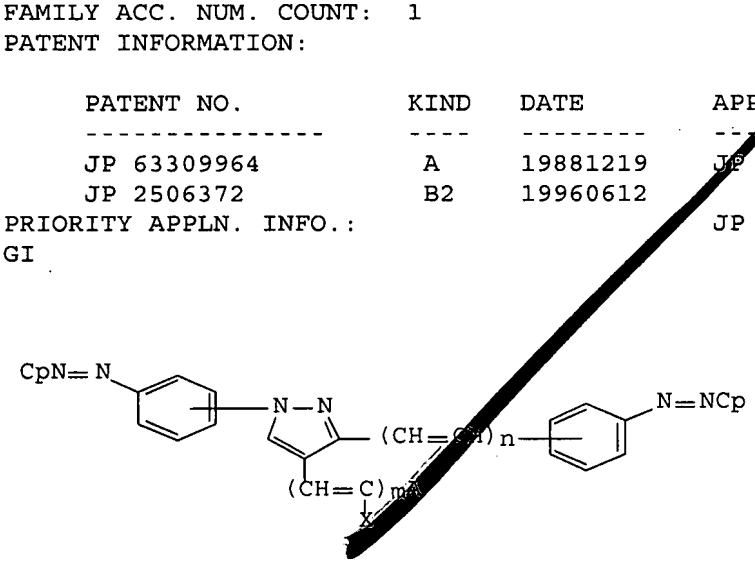
RN 132088-51-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-(4-bromophenyl)-2-[2-[3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl]ethenyl]- (9CI) (CA INDEX NAME)



L21 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1989:431312 CAPLUS Full-text
DOCUMENT NUMBER: 111:31312
TITLE: Electrophotographic photoreceptor containing azo pigment carrier generator
INVENTOR(S): Enomoto, Kazuhiro; Haino, Kozo
PATENT ASSIGNEE(S): Mitsubishi Paper Mills, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63309964	A	19881219	JP 1987-146510	19870611
JP 2506372	B2	19960612		
PRIORITY APPLN. INFO.:			JP 1987-146510	19870611

GI



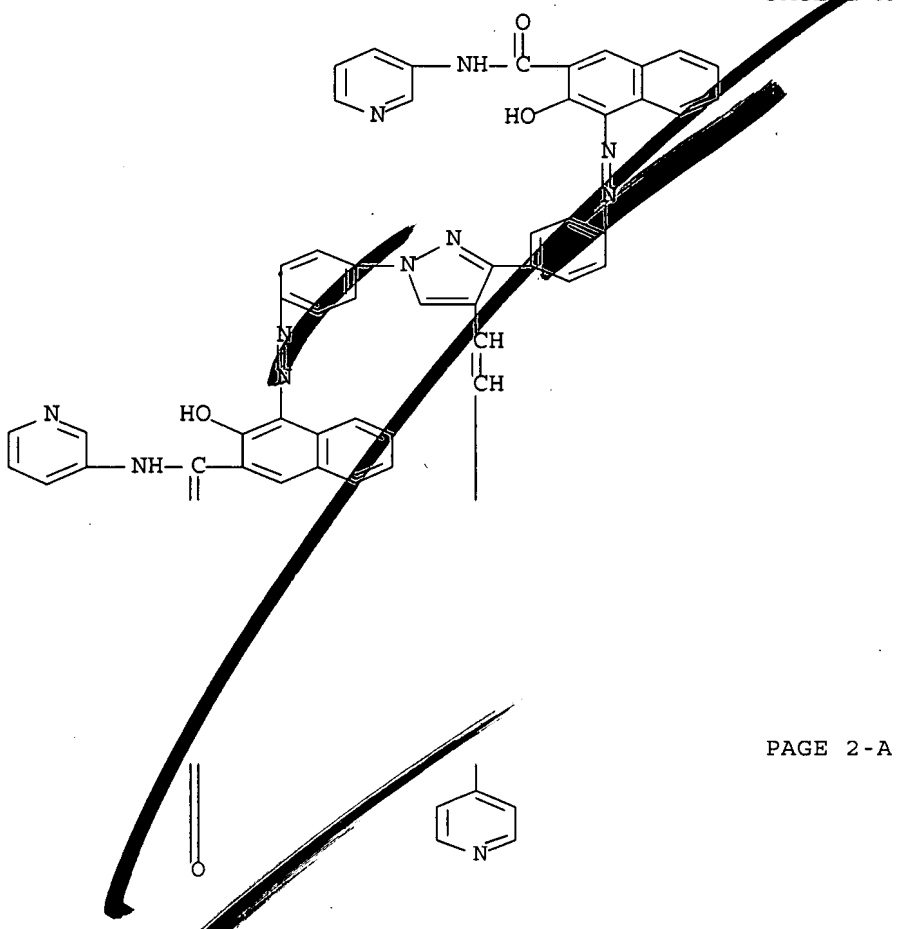
I

AB In the title photoreceptor, a photosensitive layer contains an azo pigment (I) [A = H, alkyl, aryl, hetero residue, carboxylic acid or its ester, cyano; X = H, cyano, halogen, lower alkyl, phenyl; m = 1, 2; n = 0, 1; Cp = coupler residue]. The photoreceptor shows improved heat and light resistances, and excellent carrier genation.

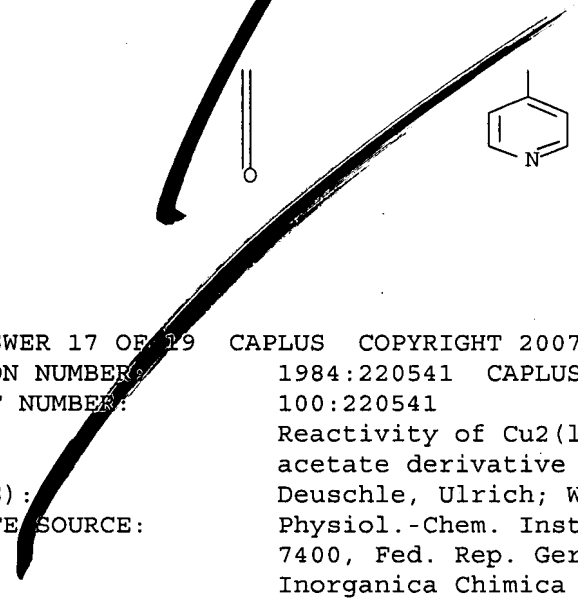
IT 121262-67-7
RL: USES (Uses)
(electrophotog. photoreceptor contg., as carrier generator)

RN 121262-67-7 CAPLUS
CN 2-Naphthalenecarboxamide, 4,4'-[[4-[2-(4-pyridinyl)ethenyl]-1H-pyrazole-1,3-diyl]bis(4,1-phenyleneazo)]bis[3-hydroxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



L21 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:220541 CAPLUS Full-text
DOCUMENT NUMBER: 100:220541
TITLE: Reactivity of Cu2(lonazolac)4, a lipophilic copper acetate derivative
AUTHOR(S): Deuschle, Ulrich; Weser, Ulrich
CORPORATE SOURCE: Physiol.-Chem. Inst., Univ. Tuebingen, Tuebingen, 7400, Fed. Rep. Ger.
SOURCE: Inorganica Chimica Acta (1984), 91(4), 237-42
CODEN: ICHAA3; ISSN: 0020-1693
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Cu2L4 (HL = 3-(p-chlorophenyl)-1-phenylpyrazole-4-acetic acid) was prepd. and characterized. Cu in Cu2L4 was spin-coupled and remained EPR-silent. H2O and org. solvents did not affect this magnetic interaction. Superoxide dismutase activity of the Cu complex in micromolar concns. was detectable in the presence of <900 .mu.g per mL of serum albumin or whole serum protein. At 700 .mu.M albumin concn., a ternary complex between Cu2L4 and the protein was

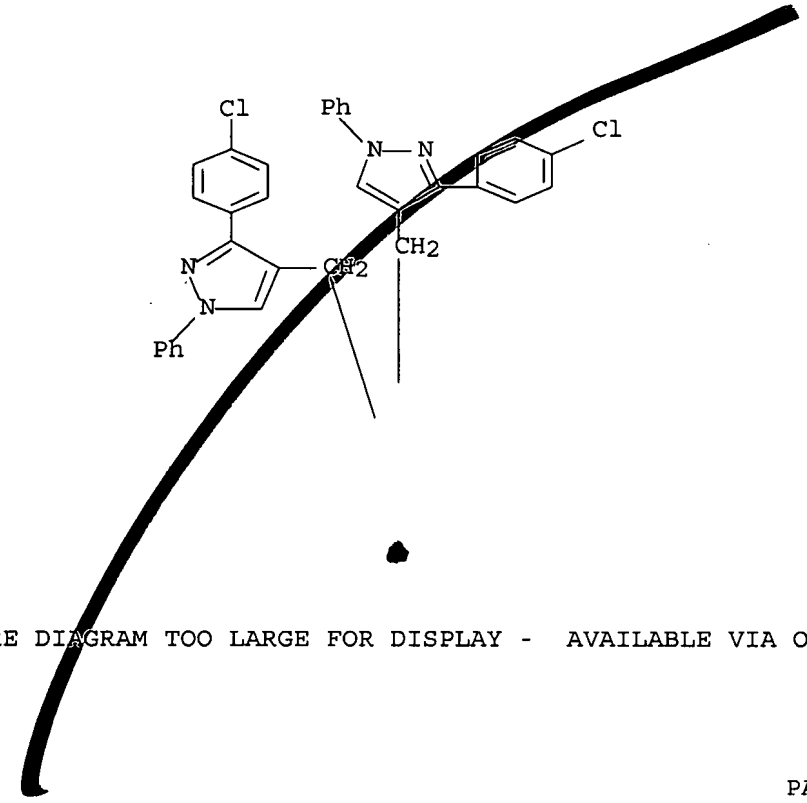
formed. The original acetate-Cu coordination changed to a biuret-type Cu bonding as seen from EPR and electron absorption spectrometry. HL did not induce a detectable conformational change of the protein near or at the Cu binding site. Equil. dialysis and optical titrn. expts. revealed that essentially all Cu of Cu2L4 was bound in the specific binding site of serum albumin. The Cu complex proved to be an effective inhibitor of lipid peroxidn.

IT 90309-87-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn., superoxide dismutase activity and lipid peroxidn. inhibition by)

RN 90309-87-8 CAPLUS

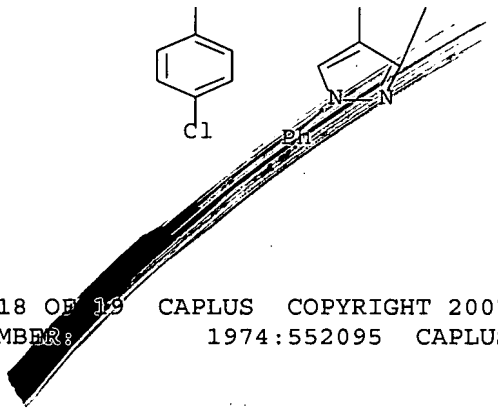
CN Copper, tetrakis[.mu.-[3-(4-chlorophenyl)-1-phenyl-1H-pyrazole-4-acetato-O:O']]di-, (Cu-Cu) (9CI) (CA INDEX NAME)

PAGE 1-A



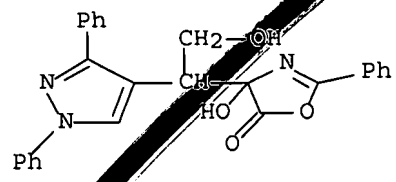
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

PAGE 3-A

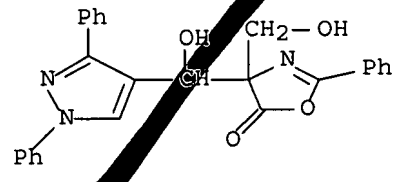


L21 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1974:552095 CAPLUS Full-text

DOCUMENT NUMBER: 81:152095
ORIGINAL REFERENCE NO.: 81:23709a,23712a
TITLE: Reactions of 4-[(1,3-diphenyl-4-pyrazolyl)methylene]-2-phenyl-2-oxazolin-5-one with Grignard reagents and diazoalkanes
AUTHOR(S): Elkaschef, Mohamed A. F.; Abdel-Megeid, Farouk M. E.; Yassin, Salah M. A.
CORPORATE SOURCE: Natl. Res. Cent., Cairo, Egypt
SOURCE: Journal fuer Praktische Chemie (Leipzig) (1974), 316(3), 363-8
CODEN: JPCEAO; ISSN: 0021-8383
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB The title (pyrazolylmethylene)oxazolene I (Z = O) (II) reacted with excess RMgX (R = Ph, 4-MeOC6H4, Et, or PhCH2; X = Br or Cl) to give R1CH:C(NHBz)CR2OH and (or) I (Z = R2) or RR1CHCH(NHBz)COR. CH2N2 was added to II to give III (Z = O, R2 = H), whereas addn. of Ph2CN2 gave III (Z = CPh2, R2 = Ph).
IT 54294-60-9P 54294-61-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 54294-60-9 CAPLUS
CN 5(4H)-Oxazolone, 4-[1-(1,3-diphenyl-1H-pyrazol-4-yl)-2-hydroxyethyl]-4-hydroxy-2-phenyl- (9CI) (CA INDEX NAME)



RN 54294-61-0 CAPLUS
CN 5(4H)-Oxazolone, 4-[(1,3-diphenyl-1H-pyrazol-4-yl)hydroxymethyl]-4-(hydroxymethyl)-2-phenyl- (9CI) (CA INDEX NAME)



L21 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1959:27685 CAPLUS
DOCUMENT NUMBER: 53:27685
ORIGINAL REFERENCE NO.: 53:4983i,4984a-i,4985a-c
TITLE: Pyrazole cyanine dyes
INVENTOR(S): Kendall, John D.; Duffin, Geo. F.
PATENT ASSIGNEE(S): Ilford Ltd.

DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 797144		19580625	GB 1955-32695	19551115

GI For diagram(s), see printed CA Issue.

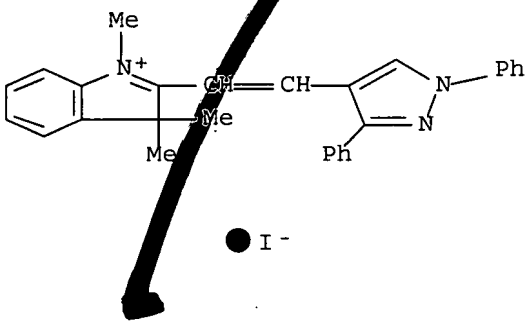
AB Pyrazole cyanine dyes are prepd. having the general formulas R1C:N.N(R).C(R2):CCH:CHC:N(R3)(X).D (I) or R1C:N.N(R).C(R2):CCH:C.C(:O).D1 (II), where R is an aryl group which may contain halogen, alkoxy, or acylamino substituents, and R1 and R2 are H, alkyl, or aryl groups, R3 is an alkyl group, X is an acid residue, D is the residue of a five- or six-membered heterocyclic N nucleus, and D1 is the residue of a five- or six-membered cyclic keto compd. I and II are prepd. by condensing a compd. of the general formula R1C:N.N(R).C(R2):CCHO (III) with a compd. of the general formula MeC:N(R3)(X).D (IV) or H2C.C(:O).D1 (V), preferably in the presence of a basic condensing agent, such as NaOAc or piperidine in EtOH or Ac2O. III are prepd. by treating a compd. of the general formula R1C:N.N(R).C(R2):CH (VI) with N-methylformanilide and POCl3 and decompg. the mixt. with water. Thus, 1-(p-chlorophenyl)-3,5-dimethylpyrazole (VII), a yellow oil, b1 119-26.degree., was prepd. from acetylacetone and p-chlorophenylhydrazine. p-Chlorophenylhydrazine 14.3 g., malonaldehyde tetramethyl acetal 16.4 g., and EtOH 50 ml. were refluxed; concd. HCl 12.5 ml. was added as rapidly as the exothermic reaction permitted. The mixt. was boiled for another 30 min. and dild. with water to ppt. an oil which rapidly solidified. The oil was dissolved in Et2O and the aq. liquors also extd. with ether. The combined Et2O solns. were washed with 2N HCl, dried with Na2SO4, and distd. to give 1-(p-chlorophenyl)pyrazole (VIII) a colorless solid, b0.5 108-10.degree., m. 52.degree.. Similarly were prepd.: 1-(2,5-dichlorophenyl)pyrazole (IX), pale-yellow solid, m. 41.degree., b2 118-20; and 1-(p-methoxyphenyl)pyrazole (X), pale-yellow oil, b0.5 138-42.degree.. 3-Methyl-1-phenyl-2-pyrazoline 74 g., AcOH 465 ml., and Ac2O 280 ml. were heated to 55.degree. and red lead 325 g. added, with stirring, to the mixt. at such a rate as to keep the temp. at 75-80.degree.. The mixt. was then filtered, cooled, and dild. with EtOH, evapd. at 100.degree. and 25 mm. as far as possible, dild. with water, and extd. with Et2O. The Et2O soln. was washed with 2N HCl, water, and NaHCO3, dried over Na2SO4, and distd. to give 3-methyl-1-phenylpyrazole (XI) yellow oil, b15 135-40.degree.. 1,3-Diphenylpyrazole (XII), m. 83.degree. (from EtOH), was prepd. by a similar method. 1-Phenyl-3,5-dimethylpyrazole 17.2 g., N-methylformanilide 18 g., and POCl3 12 cc. were refluxed on a water bath and after 20 min. dild. with a mixt. of cryst. NaOAc 110 g. and water 400 ml., and stirred for 1 hr. at room temp. The pptd. oil was extd. with Et2O (3 .times. 200 ml.) and the Et2O exts. washed with N HCl (3 .times. 100 ml.) and with dil. aq. NaHCO3. Evapn. of the ether left 1-phenyl-3,5-dimethylpyrazole-4-carboxaldehyde (XIII), buff solid, m. 128.degree. (from MeOH). Analogously were prepd.: 1-phenylpyrazole-4-carboxaldehyde (XIV), colorless needles, m. 83.degree.; oxime m. 169.degree.; 1,3-diphenylpyrazole-4-carboxaldehyde (XV), m. 142.degree. (from EtOAc); 1-(p-chlorophenyl)pyrazole-4-carboxaldehyde (XVI), m. 118.degree. (from EtOH); 1-(2,5-dichlorophenyl)pyrazole-4-carboxaldehyde (XVII), m. 114.degree. (from EtOH); 1-(p-methoxyphenyl)pyrazole-4-carboxaldehyde (XIX), m. 94.degree. (from C6H6); 3-methyl-1-phenylpyrazole-4-carboxaldehyde (XX), m. 53.degree. (from cyclohexane); and 1-(p-chlorophenyl)-3,5-dimethylpyrazole-4-carboxaldehyde (XXI), m. 135.degree. (from EtOH). XV 1.11 g., 2,3,3-trimethylindolenine- MeI 1.32 g., anhyd. NaOAc 1.0 g., and EtOH 10 ml. were refluxed for 1 hr. The mixt. was then cooled, the pptd. solid filtered off, washed with water and EtOH, and recrystd. from MeOH to give 2-[2-(1,3 - diphenyl - 4 - pyrazolyl)vinyl] - 1,3,3 - trimethylindoleninium iodide, orange-red leaflets,

decomp. 277.degree.. 2-Methylbenzothiazole (XIIIA) 0.61 g. and Et p-toluenesulfonate 0.81 g. were fused at 140-50.degree. for 3 hrs. XIV 0.7 g., EtOH 10 ml., and anhyd. NaOAc 1.0 g. were added and the mixt. refluxed for 1 hr. Diln. with water 80 ml. pptd. a solid, 3-ethyl-2-[2-(1-phenyl-4-pyrazolyl)vinyl] benzothiazolium p-toluenesulfonate, yellow leaflets, m. 229-30.degree. (from water). Other pyrazole cyanines were prepd. similarly (components, color, and m.p. of product given): XIV, 2,3,3-trimethylindolenine-MeI, orange, 245.degree. (from MeOH), XIV, quinaldine-EtI, orange, 247.degree. (from MeOH); XIII, 2-methylbenzothiazole-EtI, yellow, 217.degree. (decomp.) (from EtOH); 1,2,3,3-tetramethylindoleninium iodide, XVI, deep yellow, 250.degree.; XIV 1.72 g., 1-phenyl-3-methyl-5-pyrazolone 1.74 g., orange, 179.degree. (from C6H6); and quinaldine-MeI, XVI, orange, 249.degree.. Analogously, the following dyes were prepd. (product, color and m.p. given): 2-[2-(1-p-chlorophenyl - 4 - pyrazolyl)vinyl] - 3 - ethylbenzothiazolium iodide, yellow, 260-1.degree.; chloride, yellow, 251.degree. (decomp.) (from MeOH); 2-[2-(1-p-chlorophenyl-4-pyrazolyl)vinyl]-3-ethylbenzoxazolium iodide, orange, 231.degree. (from MeOH). 2 - {2 - [1 - (2,5 - Dichlorophenyl) - 4 - pyrazolyl]vinyl} - 3 - ethylbenzothiazolium iodide orange, 230.degree. (decomp.) (from EtOH); chloride, yellow, 231.degree. (from EtOH); 2-{2-[1-(2,5 - dichlorophenyl) - 4 - pyrazolyl]vinyl} - 1,3,3-trimethylindoleninium iodide, orange, 173.degree. (from EtOH); 5 - chloro - 2 - {2 - [1 - (2,5 - dichlorophenyl) - 4 - pyrazolyl]vinyl}-3-ethylbenzothiazolium iodide, yellow-green, 205.degree. (from EtOH); 5-chloro-2-[2-(1-p-chlorophenyl-4-pyrazolyl)vinyl]-3- ethylbenzothiazolium iodide, orange, 238.degree. (decomp.) (from EtOH); 6,7-benzo-2-[2-(1-p-chlorophenyl-4-pyrazolyl)vinyl]-3- methylbenzothiazolium p-toluenesulfonate, orange, 181.degree. (from EtOH); 2-[2-(1-p-chlorophenyl-3,5-dimethyl - 4 - pyrazolyl)vinyl] - 3 - ethylbenzothiazolium p-toluenesulfonate, yellow, 186.degree. (from water); 5-chloro-2-[2 - (1 - p - chlorophenyl - 3,5 - dimethyl - 4 - pyrazolyl)vinyl]-3-ethylbenzothiazolium p-toluenesulfonate, yellow, 228.degree. (from water); 3-ethyl-2-[2-(3-methyl-1-phenyl-4-pyrazolyl)vinyl]benzothiazolium iodide, orange, 255.degree. (from MeOH); 3-ethyl-2-{2-[1-(p-methoxyphenyl)-4-pyrazolyl]vinyl}benzothiazolium iodide, orange, 260.degree. (decomp.); and 3-ethyl-5-[(1-phenyl-4-pyrazolyl)methylene]-2-thiothiazolid-4-one, yellow, 236.degree. (from C6H6).

IT 123885-63-2P, 2-[2-(1,3-Diphenylpyrazol-4-yl)vinyl]-1,3,3-trimethyl-3H-indolium iodide
RL: PREP (Preparation)
(prepn. of)

RN 123885-63-2 CAPLUS

CN 2-[2-(1,3-Diphenylpyrazol-4-yl)vinyl]-1,3,3-trimethyl-3H-indolium iodide (6CI) (CA INDEX NAME)



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